

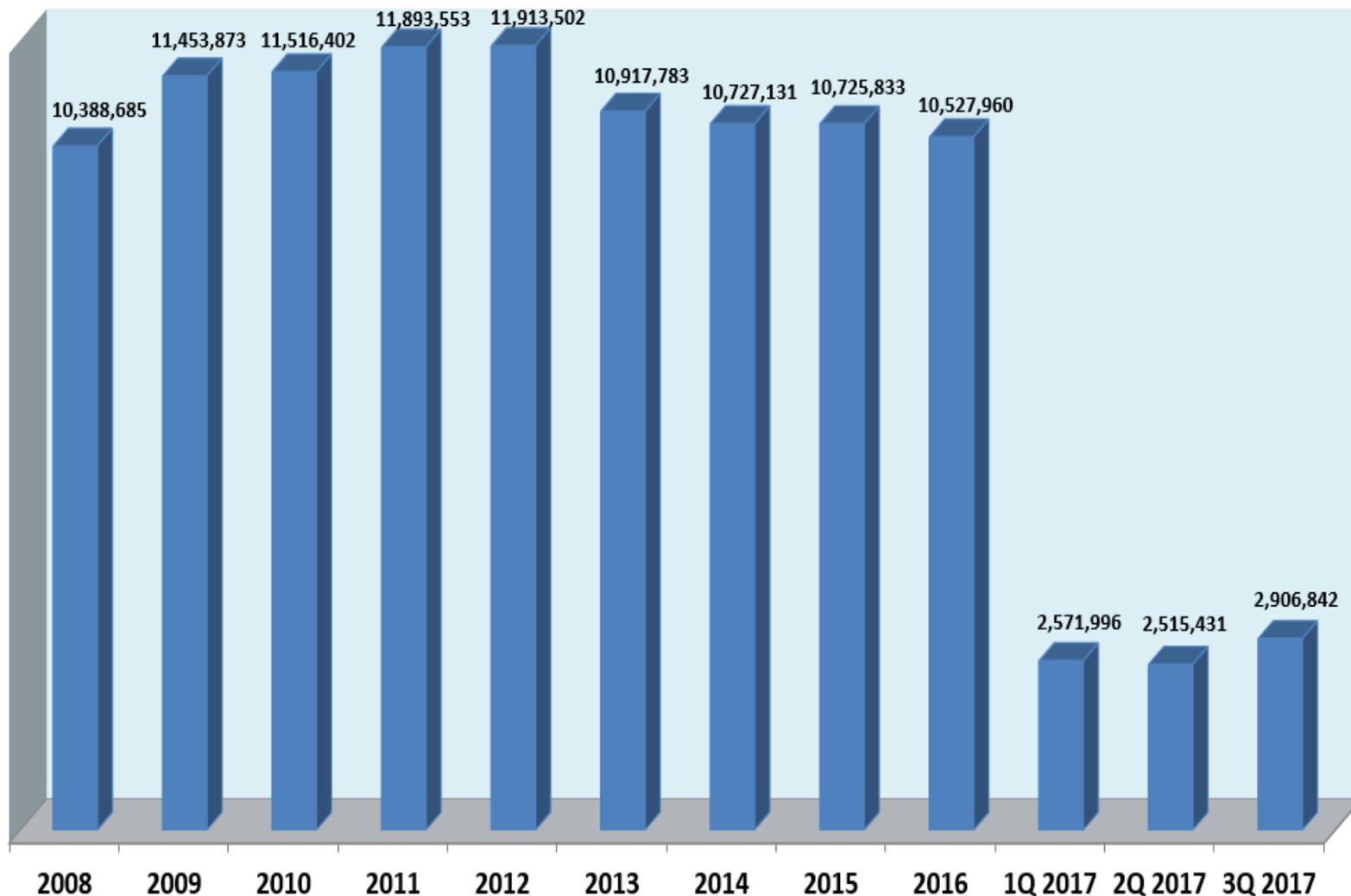
Kentucky All Schedule Prescription Electronic Reporting

Quarterly Trend Report 3rd Quarter 2017

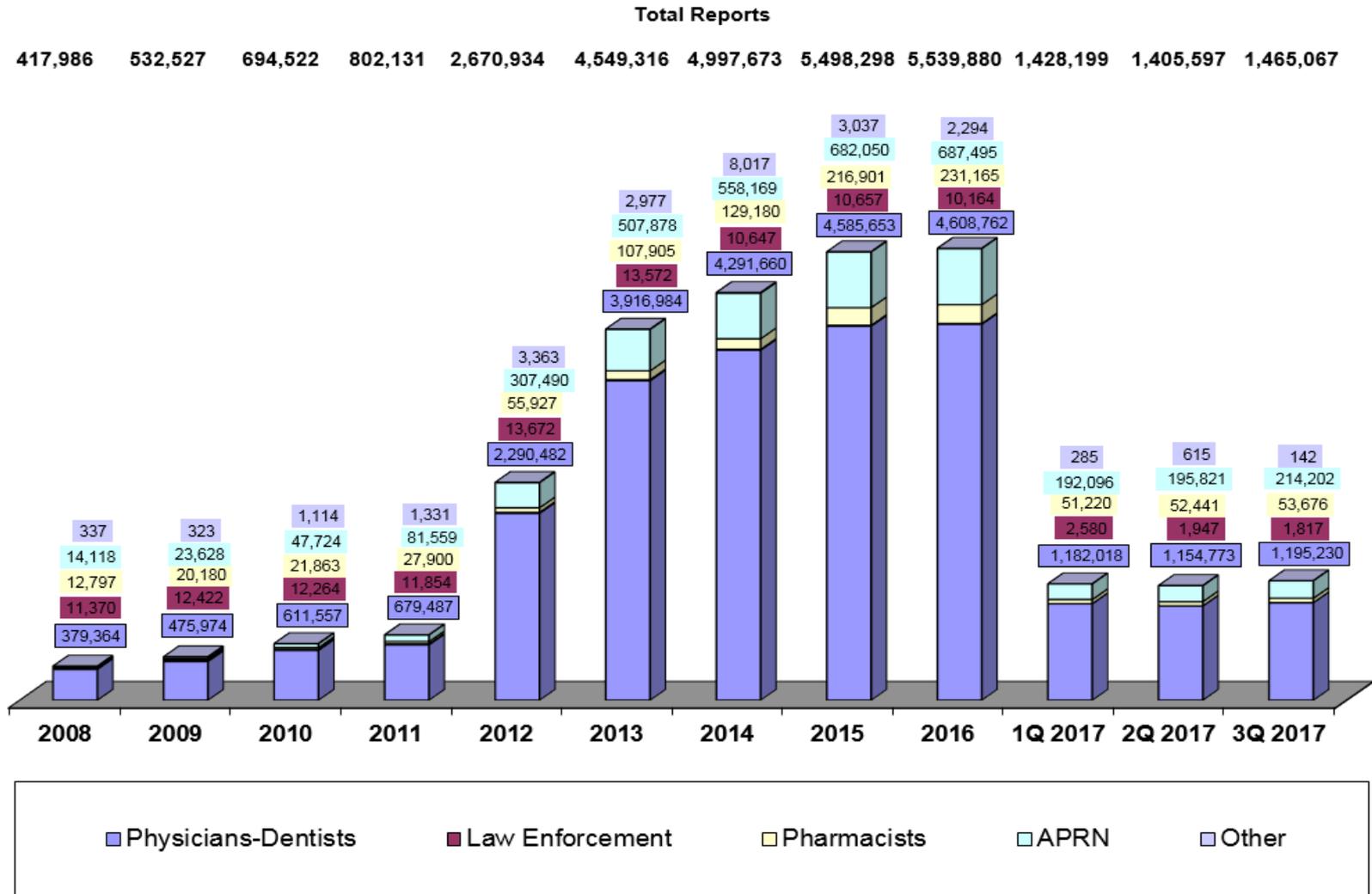
Cabinet for Health and Family Services
Office of Inspector General
275 E. Main Street
Frankfort, KY 40621



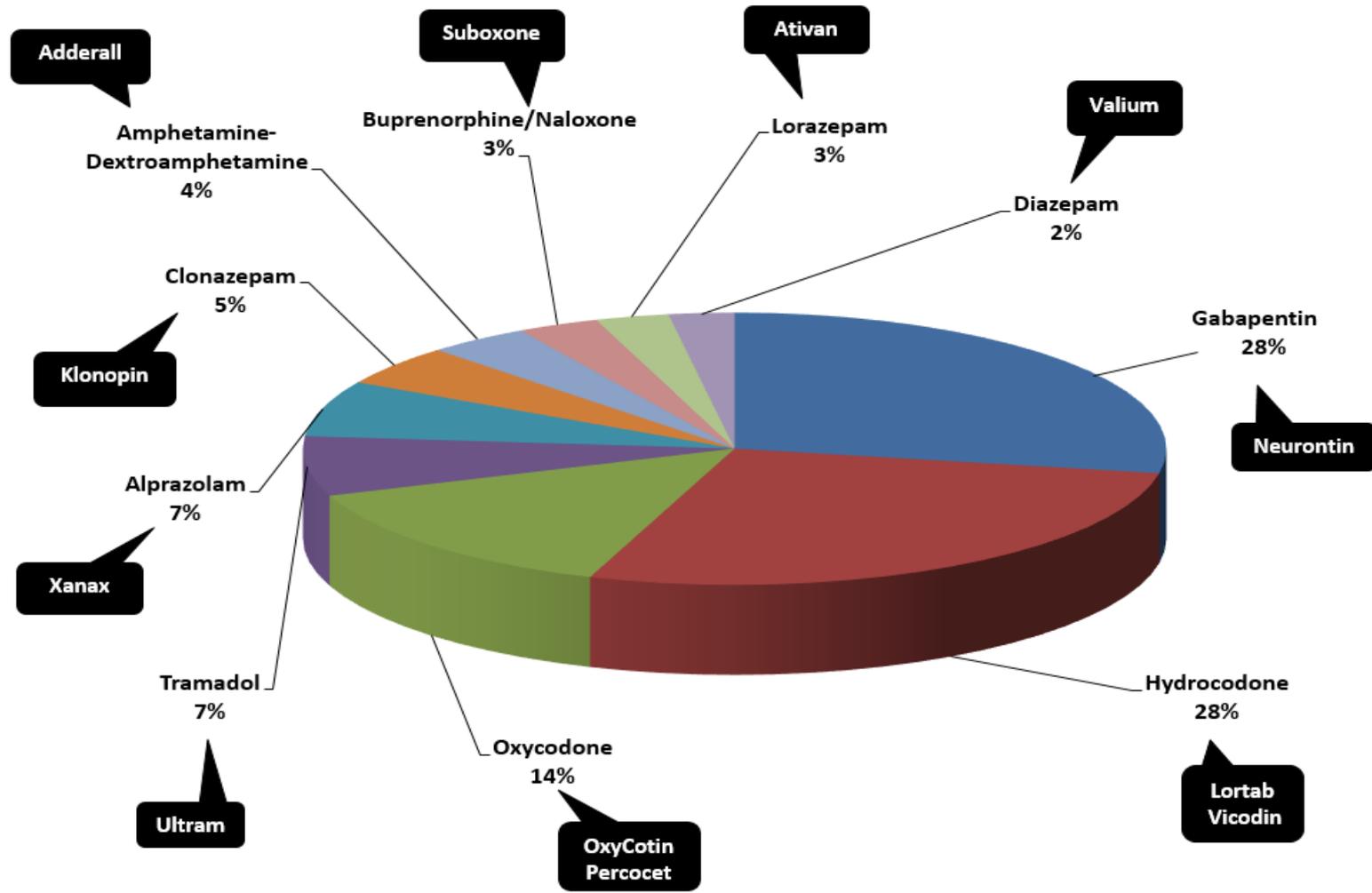
KASPER Records Added 2008 – Q3 2017



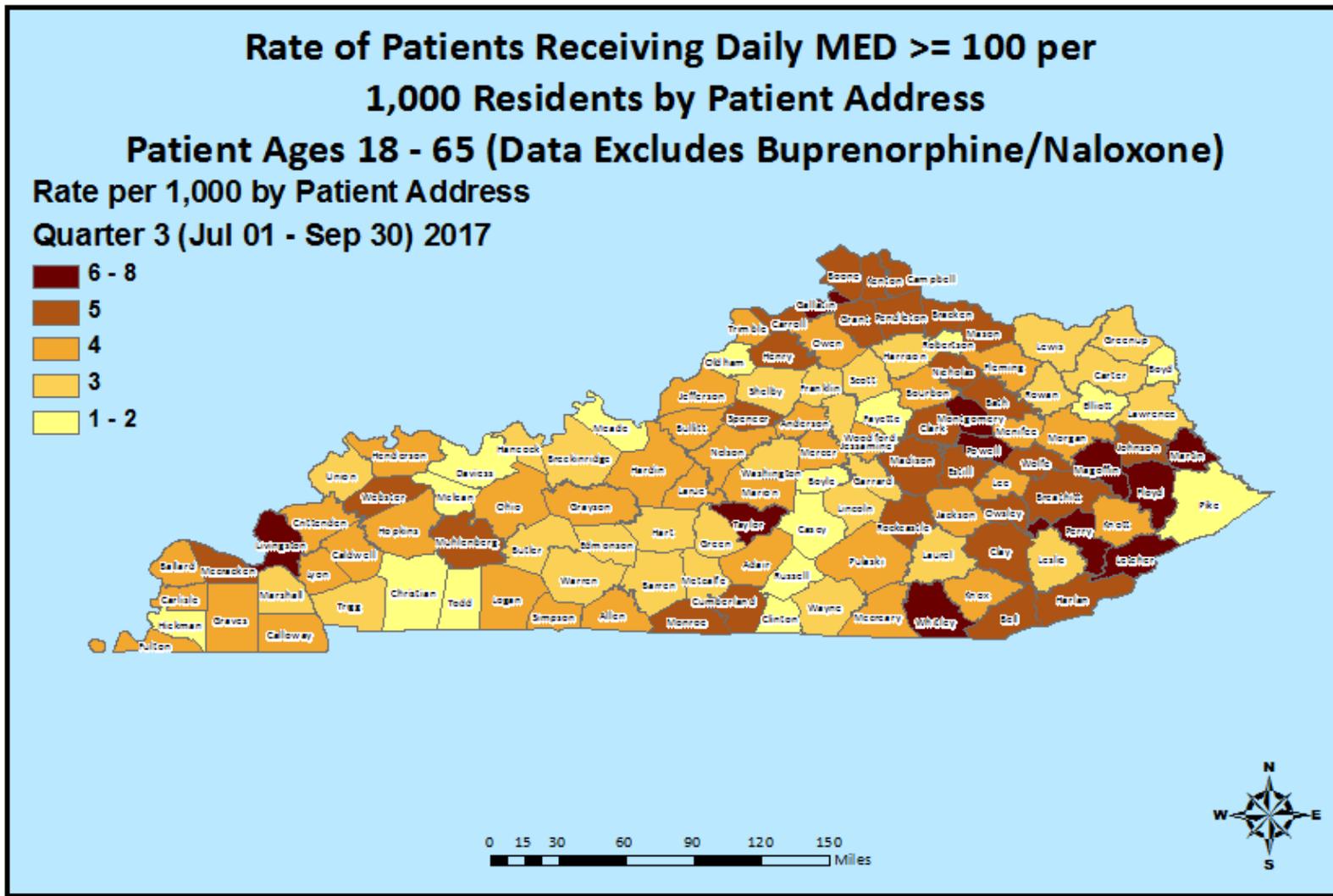
KASPER Reports Requested 2008 – Q3 2017



Top Prescribed Controlled Substances by Therapeutic Category by Doses – Q3 2017



Opioid Morphine Equivalent Dose (MED) Data Q3 2017



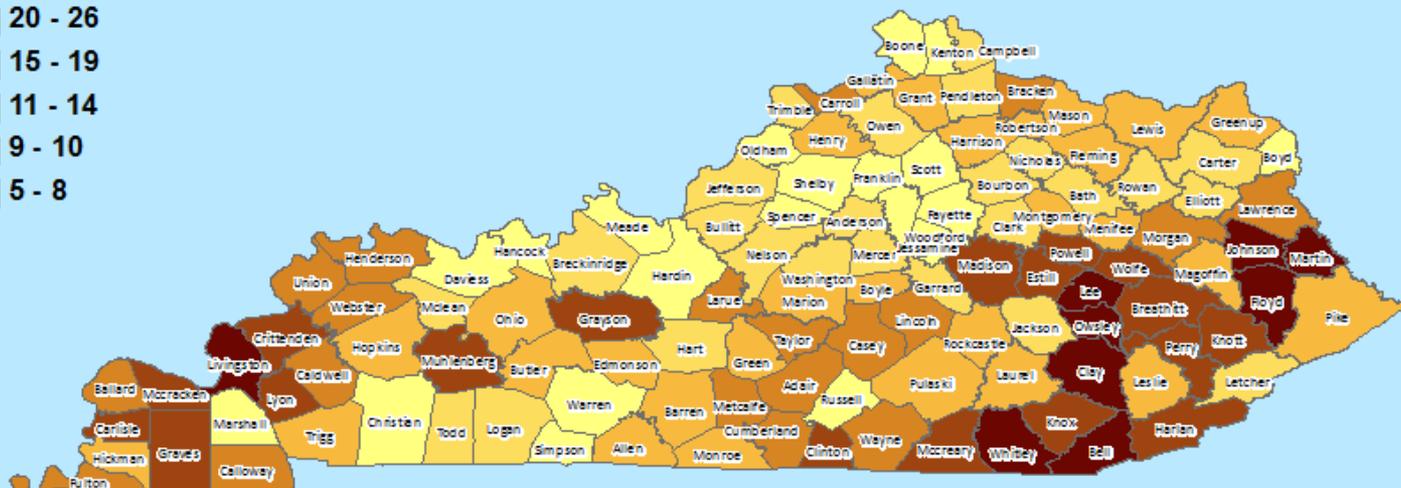
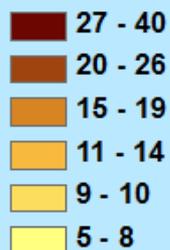
Opioid Morphine Equivalent Dose (MED) Data Q3 2017

Rate of Patients Receiving Daily Morphine Equivalent Dosage \geq 100 per 1,000 Residents for Quarter 3, 2017 Patient Ages 18 - 65 (Data Excludes Buprenorphine/Naloxone)							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	3	EDMONSON	3	KNOX	3	NICHOLAS	5
ALLEN	3	ELLIOTT	2	LARUE	4	OHIO	3
ANDERSON	4	ESTILL	5	LAUREL	3	OLDHAM	2
BALLARD	4	FAYETTE	2	LAWRENCE	3	OWEN	3
BARREN	3	FLEMING	4	LEE	3	OWSLEY	5
BATH	5	FLOYD	7	LESLIE	3	PENDLETON	5
BELL	4	FRANKLIN	3	LETCHER	6	PERRY	6
BOONE	5	FULTON	3	LEWIS	3	PIKE	2
BOURBON	3	GALLATIN	6	LINCOLN	3	POWELL	8
BOYD	1	GARRARD	3	LIVINGSTON	6	PULASKI	3
BOYLE	2	GRANT	5	LOGAN	3	ROBERTSON	2
BRACKEN	5	GRAVES	3	LYON	4	ROCKCASTLE	5
BREATHITT	5	GRAYSON	4	MADISON	4	ROWAN	3
BRECKINRIDGE	3	GREEN	3	MAGOFFIN	8	RUSSELL	2
BULLITT	4	GREENUP	3	MARION	3	SCOTT	3
BUTLER	3	HANCOCK	3	MARSHALL	3	SHELBY	3
CALDWELL	3	HARDIN	3	MARTIN	6	SIMPSON	4
CALLOWAY	3	HARLAN	5	MASON	5	SPENCER	5
CAMPBELL	4	HARRISON	3	MCCRACKEN	5	TAYLOR	6
CARLISLE	4	HART	3	MCCREARY	4	TODD	2
CARROLL	5	HENDERSON	4	MCLEAN	2	TRIGG	3
CARTER	3	HENRY	5	MEADE	2	TRIMBLE	4
CASEY	2	HICKMAN	2	MENIFEE	4	UNION	3
CHRISTIAN	2	HOPKINS	4	MERCER	4	WARREN	3
CLARK	4	JACKSON	4	METCALFE	3	WASHINGTON	3
CLAY	4	JEFFERSON	3	MONROE	4	WAYNE	3
CLINTON	2	JESSAMINE	4	MONTGOMERY	6	WEBSTER	5
CRITTENDEN	4	JOHNSON	5	MORGAN	3	WHITLEY	6
CUMBERLAND	4	KENTON	4	MUHLENBERG	5	WOLFE	5
DAVISS	2	KNOTT	4	NELSON	4	WOODFORD	3

Patients with Seven or More Days of Overlapping Opioid and Benzodiazepine Prescriptions Q3 2017

Opioid and Benzodiazepine 7-Day Overlap by Patient Address

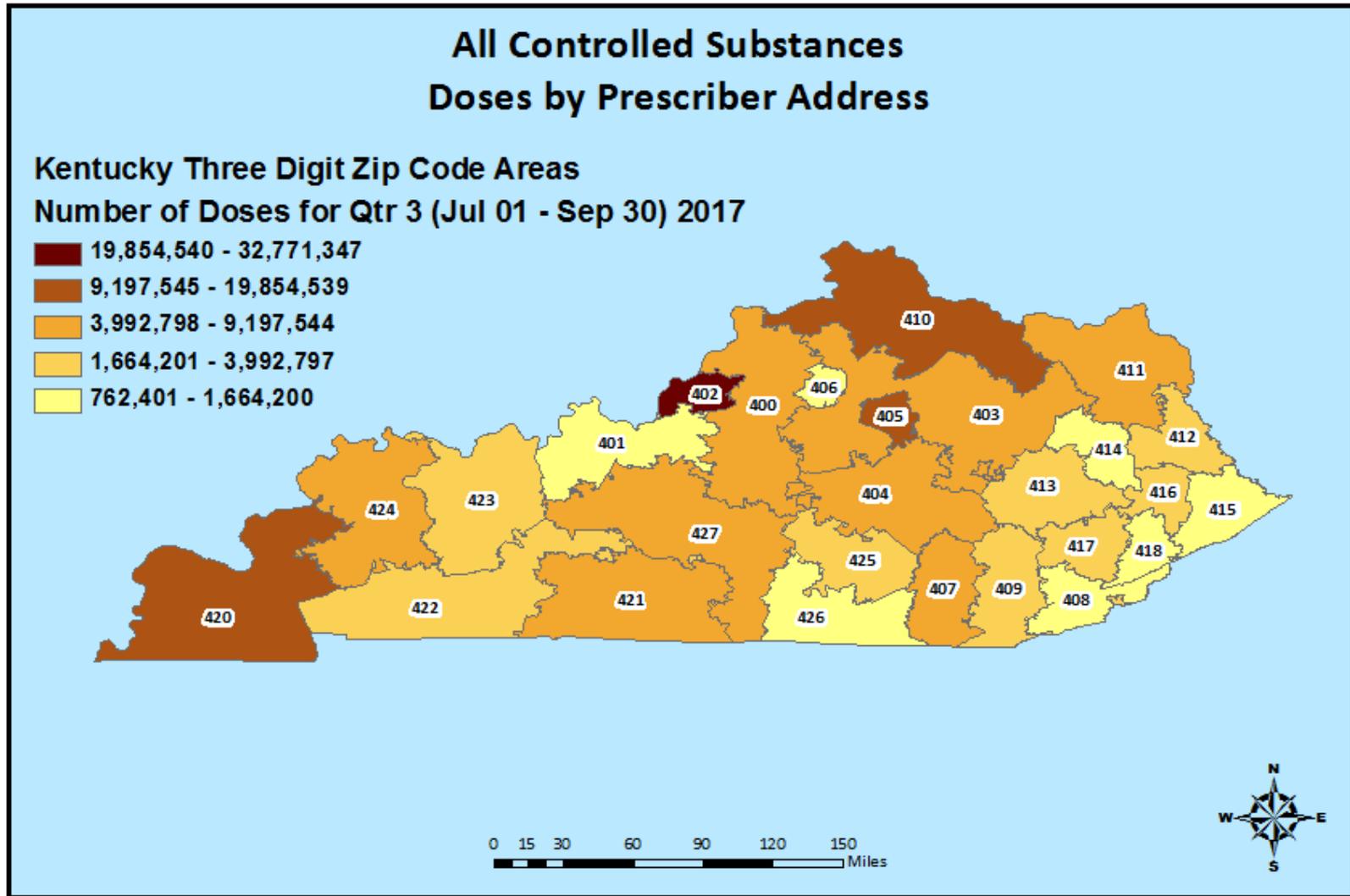
Rate per 1,000 of 7-Day Overlap by Patient Address
Quarter 3 (Jul 01 - Sep 30) 2017



Patients with Seven or More Days of Overlapping Opioid and Benzodiazepine Prescriptions Q3 2017

Rate of Patients With at Least a 7-Day Overlap of Opioids and Benzodiazepines per 1,000 for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	17	EDMONSON	14	KNOX	21	NICHOLAS	9
ALLEN	11	ELLIOTT	9	LARUE	17	OHIO	13
ANDERSON	9	ESTILL	20	LAUREL	12	OLDHAM	5
BALLARD	18	FAYETTE	5	LAWRENCE	16	OWEN	8
BARREN	12	FLEMING	13	LEE	30	OWSLEY	29
BATH	9	FLOYD	34	LESLIE	13	PENDLETON	10
BELL	40	FRANKLIN	7	LETCHER	9	PERRY	25
BOONE	8	FULTON	17	LEWIS	11	PIKE	12
BOURBON	8	GALLATIN	11	LINCOLN	15	POWELL	24
BOYD	6	GARRARD	10	LIVINGSTON	29	PULASKI	13
BOYLE	13	GRANT	11	LOGAN	8	ROBERTSON	11
BRACKEN	15	GRAVES	20	LYON	20	ROCKCASTLE	13
BREATHITT	24	GRAYSON	19	MADISON	20	ROWAN	8
BRECKINRIDGE	10	GREEN	11	MAGOFFIN	11	RUSSELL	6
BULLITT	8	GREENUP	13	MARION	12	SCOTT	7
BUTLER	11	HANCOCK	7	MARSHALL	7	SHELBY	7
CALDWELL	18	HARDIN	7	MARTIN	32	SIMPSON	7
CALLOWAY	16	HARLAN	19	MASON	13	SPENCER	8
CAMPBELL	9	HARRISON	11	MCCRACKEN	23	TAYLOR	16
CARLISLE	22	HART	9	MCCREARY	26	TODD	9
CARROLL	15	HENDERSON	17	MCLEAN	8	TRIGG	12
CARTER	9	HENRY	11	MEADE	6	TRIMBLE	9
CASEY	14	HICKMAN	11	MENIFEE	12	UNION	16
CHRISTIAN	8	HOPKINS	13	MERCER	10	WARREN	6
CLARK	8	JACKSON	10	METCALFE	19	WASHINGTON	10
CLAY	29	JEFFERSON	8	MONROE	11	WAYNE	14
CLINTON	25	JESSAMINE	7	MONTGOMERY	13	WEBSTER	18
CRITTENDEN	22	JOHNSON	33	MORGAN	15	WHITLEY	28
CUMBERLAND	17	KENTON	7	MUHLENBERG	20	WOLFE	24
DAVISS	6	KNOTT	23	NELSON	10	WOODFORD	7

Controlled Substance Prescribing Q3 2017



Controlled Substance Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of all Controlled Substances for Quarter 3, 2017
400	5,137,204
401	1,664,200
402	32,771,347
403	8,364,650
404	6,099,766
405	19,854,539
406	1,649,993
407	4,792,744
408	1,080,063
409	3,992,797
410	14,371,386
411	4,800,836
412	2,491,679
413	2,296,440
414	762,401
415	1,525,113
416	2,977,528
417	3,898,627
418	904,376
420	11,566,934
421	9,197,544
422	2,803,116
423	2,953,516
424	5,570,102
425	2,611,172
426	1,487,831
427	6,367,839
Totals	161,993,743

Controlled Substance Usage

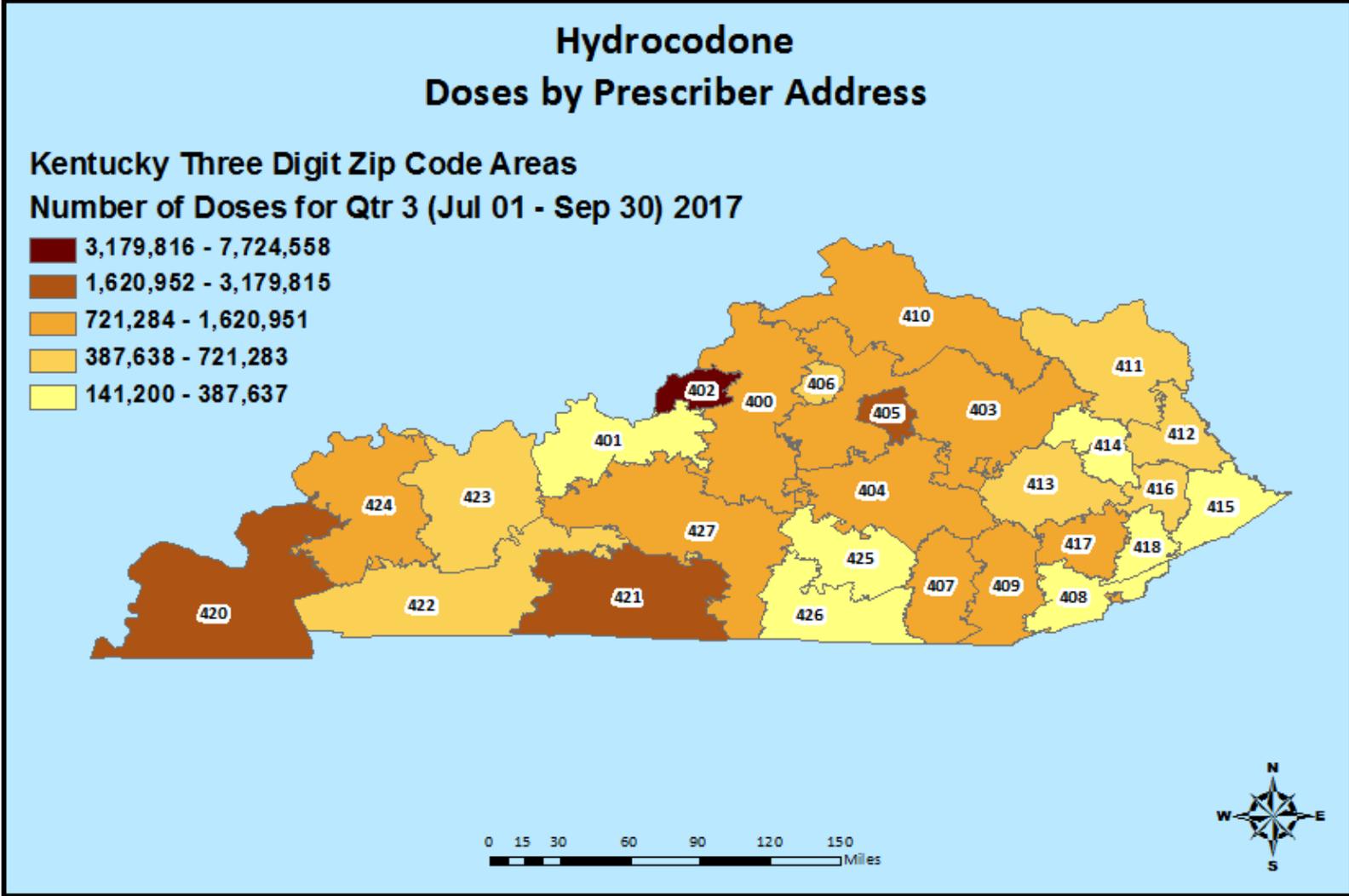
Q3 2017

Actual Number of All Controlled Substances Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	784,185	EDMONSON	445,710	KNOX	1,840,992	NICHOLAS	349,722
ALLEN	805,394	ELLIOTT	216,248	LARUE	665,588	OHIO	1,159,744
ANDERSON	866,127	ESTILL	1,002,458	LAUREL	2,530,613	OLDHAM	1,588,120
BALLARD	333,435	FAYETTE	7,739,033	LAWRENCE	796,869	OWEN	342,653
BARREN	1,654,717	FLEMING	622,432	LEE	578,382	OWSLEY	468,946
BATH	590,391	FLOYD	3,229,248	LESLIE	652,558	PENDLETON	514,599
BELL	2,151,490	FRANKLIN	1,763,523	LETCHER	1,542,491	PERRY	2,406,221
BOONE	3,665,991	FULTON	314,644	LEWIS	635,288	PIKE	2,836,635
BOURBON	805,309	GALLATIN	317,568	LINCOLN	1,061,978	POWELL	953,715
BOYD	1,228,802	GARRARD	625,290	LIVINGSTON	610,465	PULASKI	2,741,027
BOYLE	1,183,718	GRANT	828,418	LOGAN	1,043,304	ROBERTSON	92,869
BRACKEN	352,580	GRAVES	1,859,468	LYON	420,725	ROCKCASTLE	780,385
BREATHITT	931,284	GRAYSON	1,584,001	MADISON	3,192,456	ROWAN	820,006
BRECKINRIDGE	718,406	GREEN	423,073	MAGOFFIN	974,846	RUSSELL	239,761
BULLITT	2,588,048	GREENUP	1,973,549	MARION	823,819	SCOTT	1,664,100
BUTLER	567,299	HANCOCK	266,305	MARSHALL	1,704,598	SHELBY	1,490,347
CALDWELL	644,786	HARDIN	3,605,977	MARTIN	797,716	SIMPSON	551,376
CALLOWAY	1,500,513	HARLAN	1,716,081	MASON	592,376	SPENCER	684,396
CAMPBELL	2,788,334	HARRISON	768,194	MCCRACKEN	3,429,480	TAYLOR	1,121,992
CARLISLE	263,737	HART	674,557	MCCREARY	848,395	TODD	421,104
CARROLL	552,873	HENDERSON	2,416,113	MCLEAN	461,876	TRIGG	605,351
CARTER	981,914	HENRY	665,617	MEADE	683,254	TRIMBLE	290,667
CASEY	618,429	HICKMAN	137,633	MENIFEE	313,404	UNION	735,817
CHRISTIAN	1,925,696	HOPKINS	2,307,099	MERCER	905,268	WARREN	3,818,291
CLARK	1,536,598	JACKSON	693,504	METCALFE	509,826	WASHINGTON	401,160
CLAY	1,785,402	JEFFERSON	25,225,074	MONROE	494,735	WAYNE	831,594
CLINTON	560,721	JESSAMINE	1,823,429	MONTGOMERY	1,350,600	WEBSTER	800,540
CRITTENDEN	563,309	JOHNSON	1,569,784	MORGAN	635,751	WHITLEY	2,834,690
CUMBERLAND	358,013	KENTON	4,335,163	MUHLENBERG	1,881,536	WOLFE	461,723
DAVISS	2,416,335	KNOTT	1,167,957	NELSON	1,762,345	WOODFORD	832,634
						TOTAL	172,622,705

Per 1000 Controlled Substance Usage Q3 2017

Actual Number of All Controlled Substances Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	40,673	EDMONSON	36,793	KNOX	58,099	NICHOLAS	49,368
ALLEN	39,038	ELLIOTT	28,499	LARUE	47,218	OHIO	47,573
ANDERSON	39,089	ESTILL	70,068	LAUREL	42,002	OLDHAM	24,224
BALLARD	41,400	FAYETTE	24,302	LAWRENCE	50,234	OWEN	32,198
BARREN	37,613	FLEMING	42,906	LEE	87,900	OWSLEY	104,419
BATH	47,894	FLOYD	87,018	LESLIE	61,924	PENDLETON	35,343
BELL	79,341	FRANKLIN	34,880	LETCHER	67,733	PERRY	88,001
BOONE	28,521	FULTON	50,922	LEWIS	47,261	PIKE	46,844
BOURBON	40,205	GALLATIN	36,888	LINCOLN	43,574	POWELL	77,487
BOYD	25,530	GARRARD	36,161	LIVINGSTON	65,861	PULASKI	42,858
BOYLE	39,434	GRANT	33,239	LOGAN	39,232	ROBERTSON	43,095
BRACKEN	41,974	GRAVES	50,010	LYON	52,141	ROCKCASTLE	46,314
BREATHITT	70,106	GRAYSON	60,495	MADISON	52,630	ROWAN	33,537
BRECKINRIDGE	35,990	GREEN	38,253	MAGOFFIN	48,449	RUSSELL	13,529
BULLITT	32,698	GREENUP	54,984	MARION	48,747	SCOTT	30,833
BUTLER	44,165	HANCOCK	30,228	MARSHALL	35,651	SHELBY	32,114
CALDWELL	51,304	HARDIN	33,601	MARTIN	76,856	SIMPSON	30,491
CALLOWAY	39,038	HARLAN	63,166	MASON	42,896	SPENCER	37,452
CAMPBELL	30,239	HARRISON	41,199	MCCRACKEN	54,347	TAYLOR	44,178
CARLISLE	54,323	HART	36,214	MCCREARY	66,465	TODD	34,250
CARROLL	51,772	HENDERSON	52,237	MCLEAN	34,461	TRIGG	42,439
CARTER	36,305	HENRY	42,080	MEADE	24,293	TRIMBLE	33,720
CASEY	39,104	HICKMAN	29,746	MENIFEE	48,908	UNION	49,450
CHRISTIAN	26,616	HOPKINS	50,259	MERCER	42,151	WARREN	30,417
CLARK	42,899	JACKSON	51,878	METCALFE	50,891	WASHINGTON	32,912
CLAY	85,977	JEFFERSON	32,959	MONROE	46,726	WAYNE	40,659
CLINTON	55,097	JESSAMINE	34,827	MONTGOMERY	48,633	WEBSTER	60,119
CRITTENDEN	61,309	JOHNSON	68,317	MORGAN	47,808	WHITLEY	78,532
CUMBERLAND	53,133	KENTON	26,282	MUHLENBERG	60,640	WOLFE	64,495
DAVISS	24,242	KNOTT	75,139	NELSON	38,683	WOODFORD	31,872

Hydrocodone Prescribing Q3 2017



Hydrocodone Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of all Hydrocodone Doses for Quarter 3, 2017
400	1,082,638
401	256,393
402	7,724,558
403	1,164,648
404	1,346,167
405	3,179,815
406	520,969
407	1,014,413
408	243,417
409	1,049,876
410	1,620,951
411	638,644
412	466,308
413	538,990
414	151,476
415	281,833
416	721,283
417	1,191,497
418	141,200
420	2,894,869
421	2,559,799
422	539,449
423	715,969
424	1,417,881
425	335,843
426	387,637
427	1,317,213
Totals	33,503,736

Hydrocodone Usage

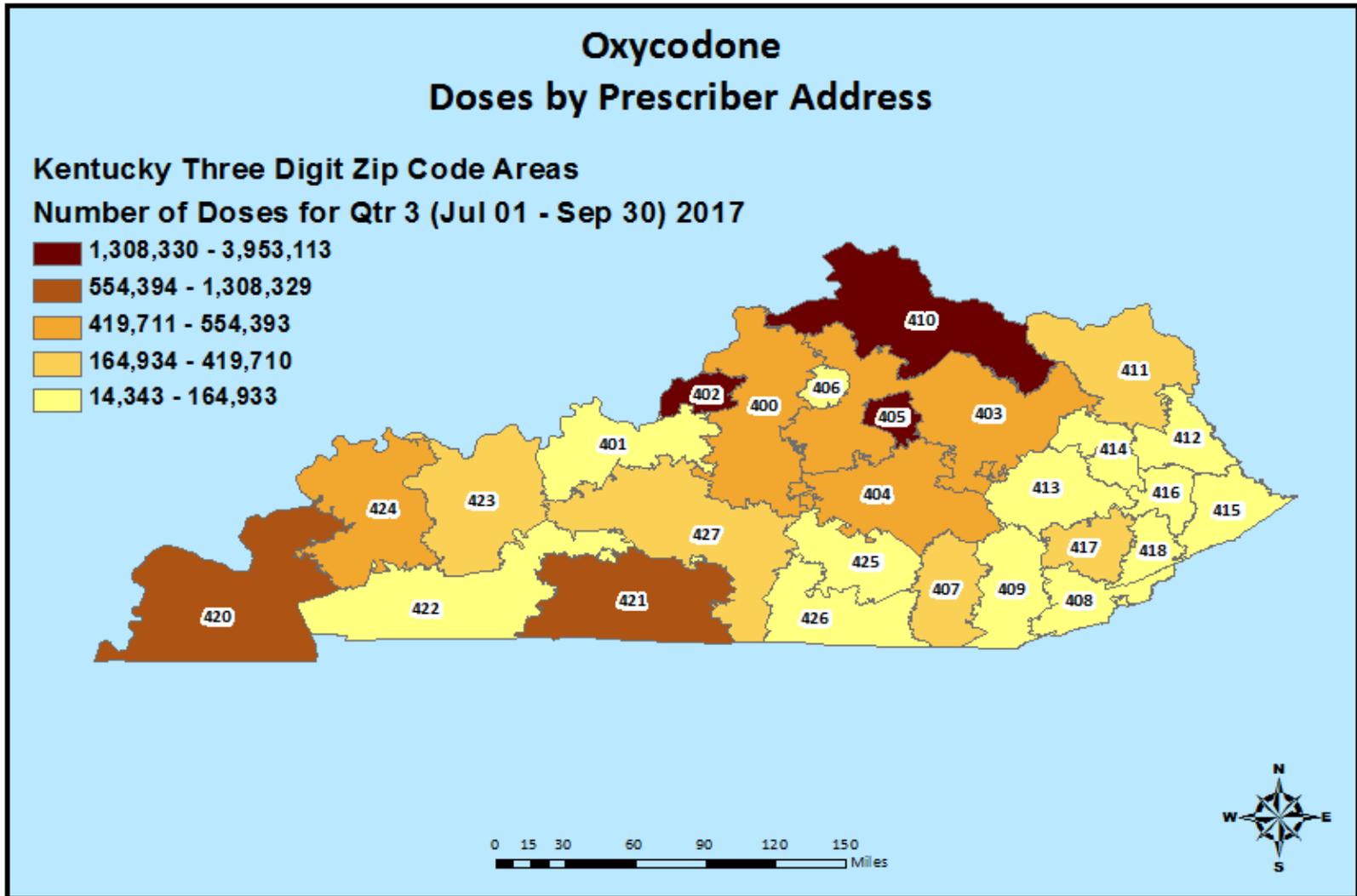
Q3 2017

Actual Number of Hydrocodone Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	206,638	EDMONSON	119,972	KNOX	385,050	NICHOLAS	48,749
ALLEN	252,725	ELLIOTT	34,181	LARUE	151,552	OHIO	325,462
ANDERSON	201,574	ESTILL	197,835	LAUREL	520,470	OLDHAM	303,869
BALLARD	96,600	FAYETTE	1,068,551	LAWRENCE	133,713	OWEN	54,355
BARREN	420,256	FLEMING	92,471	LEE	134,176	OWSLEY	117,034
BATH	84,491	FLOYD	775,102	LESLIE	185,974	PENDLETON	66,007
BELL	584,633	FRANKLIN	366,735	LETCHER	345,235	PERRY	548,156
BOONE	422,103	FULTON	81,438	LEWIS	98,212	PIKE	650,804
BOURBON	108,956	GALLATIN	53,690	LINCOLN	229,357	POWELL	191,293
BOYD	160,702	GARRARD	113,968	LIVINGSTON	164,007	PULASKI	477,766
BOYLE	253,611	GRANT	104,544	LOGAN	265,083	ROBERTSON	13,078
BRACKEN	42,679	GRAVES	452,391	LYON	91,796	ROCKCASTLE	206,708
BREATHITT	214,671	GRAYSON	393,953	MADISON	543,349	ROWAN	112,630
BRECKINRIDGE	166,648	GREEN	83,008	MAGOFFIN	205,480	RUSSELL	53,458
BULLITT	628,795	GREENUP	269,898	MARION	189,511	SCOTT	269,990
BUTLER	162,583	HANCOCK	63,643	MARSHALL	388,265	SHELBY	317,757
CALDWELL	136,397	HARDIN	777,492	MARTIN	126,277	SIMPSON	129,308
CALLOWAY	335,544	HARLAN	378,756	MASON	68,097	SPENCER	152,739
CAMPBELL	330,312	HARRISON	111,805	MCCRACKEN	814,897	TAYLOR	230,060
CARLISLE	63,869	HART	159,850	MCCREARY	180,817	TODD	114,133
CARROLL	125,463	HENDERSON	543,635	MCLEAN	134,790	TRIGG	129,598
CARTER	134,040	HENRY	157,294	MEADE	156,471	TRIMBLE	78,254
CASEY	135,282	HICKMAN	37,084	MENIFEE	65,593	UNION	196,491
CHRISTIAN	451,362	HOPKINS	610,701	MERCER	179,250	WARREN	893,774
CLARK	236,543	JACKSON	131,821	METCALFE	140,011	WASHINGTON	73,551
CLAY	495,335	JEFFERSON	5,798,987	MONROE	131,900	WAYNE	211,481
CLINTON	128,878	JESSAMINE	260,598	MONTGOMERY	194,841	WEBSTER	203,663
CRITTENDEN	163,702	JOHNSON	329,721	MORGAN	118,635	WHITLEY	551,470
CUMBERLAND	100,481	KENTON	432,488	MUHLENBERG	519,763	WOLFE	115,713
DAVISS	574,756	KNOTT	262,036	NELSON	398,455	WOODFORD	138,439
						TOTAL	35,920,094

Per 1000 Hydrocodone Usage Q3 2017

Actual Number of Hydrocodone Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	10,718	EDMONSON	9,904	KNOX	12,152	NICHOLAS	6,882
ALLEN	12,250	ELLIOTT	4,505	LARUE	10,751	OHIO	13,351
ANDERSON	9,097	ESTILL	13,828	LAUREL	8,639	OLDHAM	4,635
BALLARD	11,994	FAYETTE	3,355	LAWRENCE	8,429	OWEN	5,108
BARREN	9,553	FLEMING	6,374	LEE	20,391	OWSLEY	26,060
BATH	6,854	FLOYD	20,887	LESLIE	17,648	PENDLETON	4,533
BELL	21,560	FRANKLIN	7,253	LETCHER	15,160	PERRY	20,047
BOONE	3,284	FULTON	13,180	LEWIS	7,306	PIKE	10,747
BOURBON	5,440	GALLATIN	6,236	LINCOLN	9,411	POWELL	15,542
BOYD	3,339	GARRARD	6,591	LIVINGSTON	17,694	PULASKI	7,470
BOYLE	8,449	GRANT	4,195	LOGAN	9,968	ROBERTSON	6,069
BRACKEN	5,081	GRAVES	12,167	LYON	11,376	ROCKCASTLE	12,268
BREATHITT	16,160	GRAYSON	15,046	MADISON	12,506	ROWAN	4,606
BRECKINRIDGE	8,349	GREEN	7,505	MAGOFFIN	10,326	RUSSELL	3,016
BULLITT	7,944	GREENUP	7,520	MARION	14,226	SCOTT	5,002
BUTLER	12,657	HANCOCK	7,224	MARSHALL	6,068	SHELBY	6,847
CALDWELL	10,853	HARDIN	7,245	MARTIN	16,200	SIMPSON	7,151
CALLOWAY	8,730	HARLAN	13,941	MASON	9,868	SPENCER	8,358
CAMPBELL	3,582	HARRISON	5,996	MCCRACKEN	12,379	TAYLOR	9,059
CARLISLE	13,155	HART	8,582	MCCREARY	10,521	TODD	9,283
CARROLL	11,749	HENDERSON	11,754	MCLEAN	3,961	TRIGG	9,086
CARTER	4,956	HENRY	9,944	MEADE	5,563	TRIMBLE	9,078
CASEY	8,554	HICKMAN	8,015	MENIFEE	10,236	UNION	13,205
CHRISTIAN	6,239	HOPKINS	13,304	MERCER	8,346	WARREN	7,120
CLARK	6,604	JACKSON	9,861	METCALFE	13,976	WASHINGTON	6,034
CLAY	23,853	JEFFERSON	7,577	MONROE	12,457	WAYNE	10,340
CLINTON	12,664	JESSAMINE	4,977	MONTGOMERY	7,016	WEBSTER	15,295
CRITTENDEN	17,817	JOHNSON	14,349	MORGAN	8,921	WHITLEY	15,278
CUMBERLAND	14,913	KENTON	2,622	MUHLENBERG	16,751	WOLFE	16,163
DAVISS	5,766	KNOTT	16,858	NELSON	8,746	WOODFORD	5,299

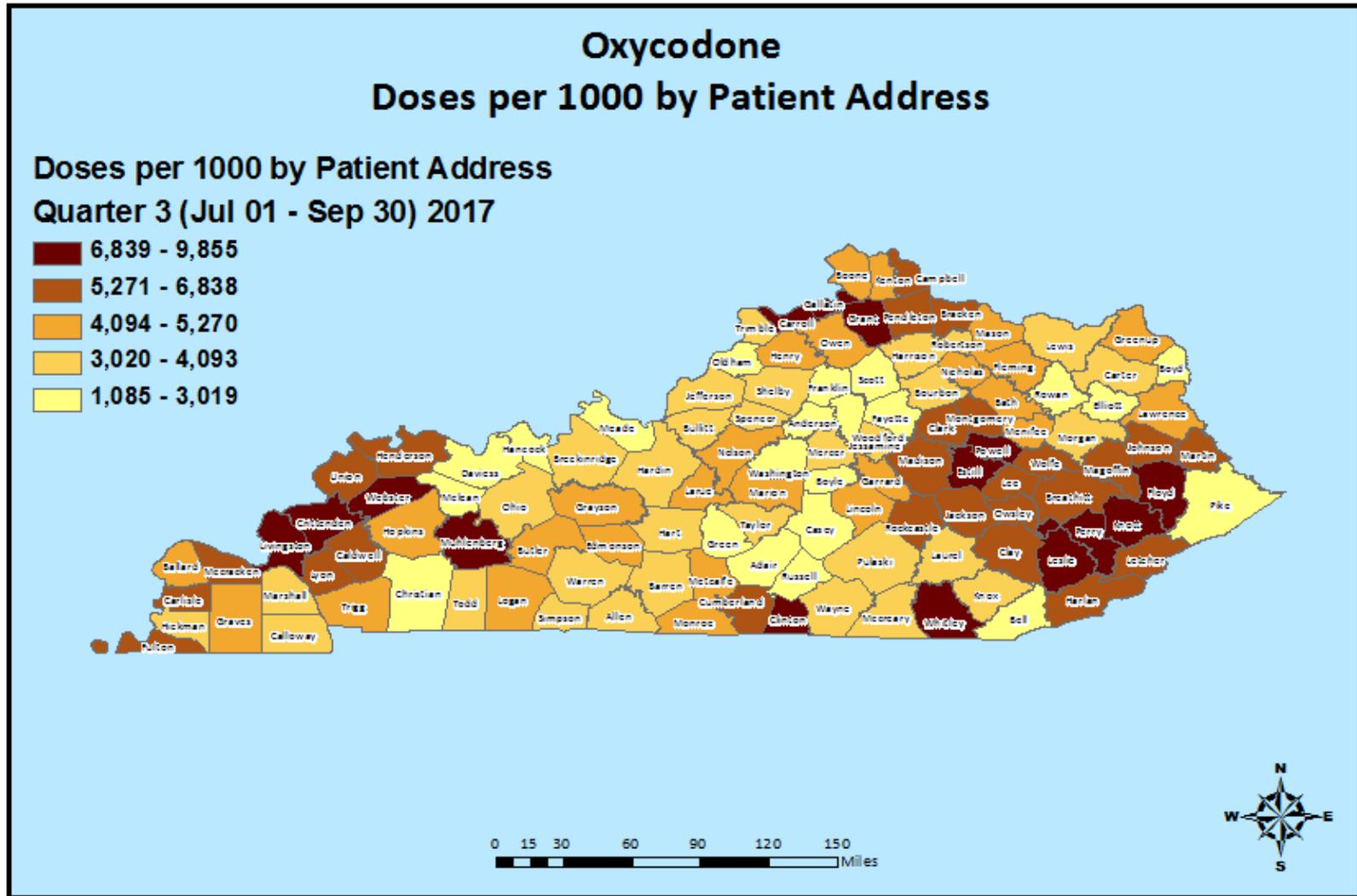
Oxycodone Prescribing Q3 2017



Oxycodone Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Oxycodone Doses for Quarter 3, 2017
400	454,280
401	61,958
402	3,953,113
403	494,096
404	547,617
405	2,947,345
406	132,718
407	307,490
408	67,888
409	95,406
410	2,333,539
411	337,874
412	140,918
413	161,550
414	14,343
415	29,517
416	164,933
417	384,247
418	84,505
420	1,308,329
421	1,064,935
422	128,581
423	242,512
424	554,393
425	95,400
426	97,047
427	419,710
Totals	16,624,244

Oxycodone Usage Q3 2017



Oxycodone Usage

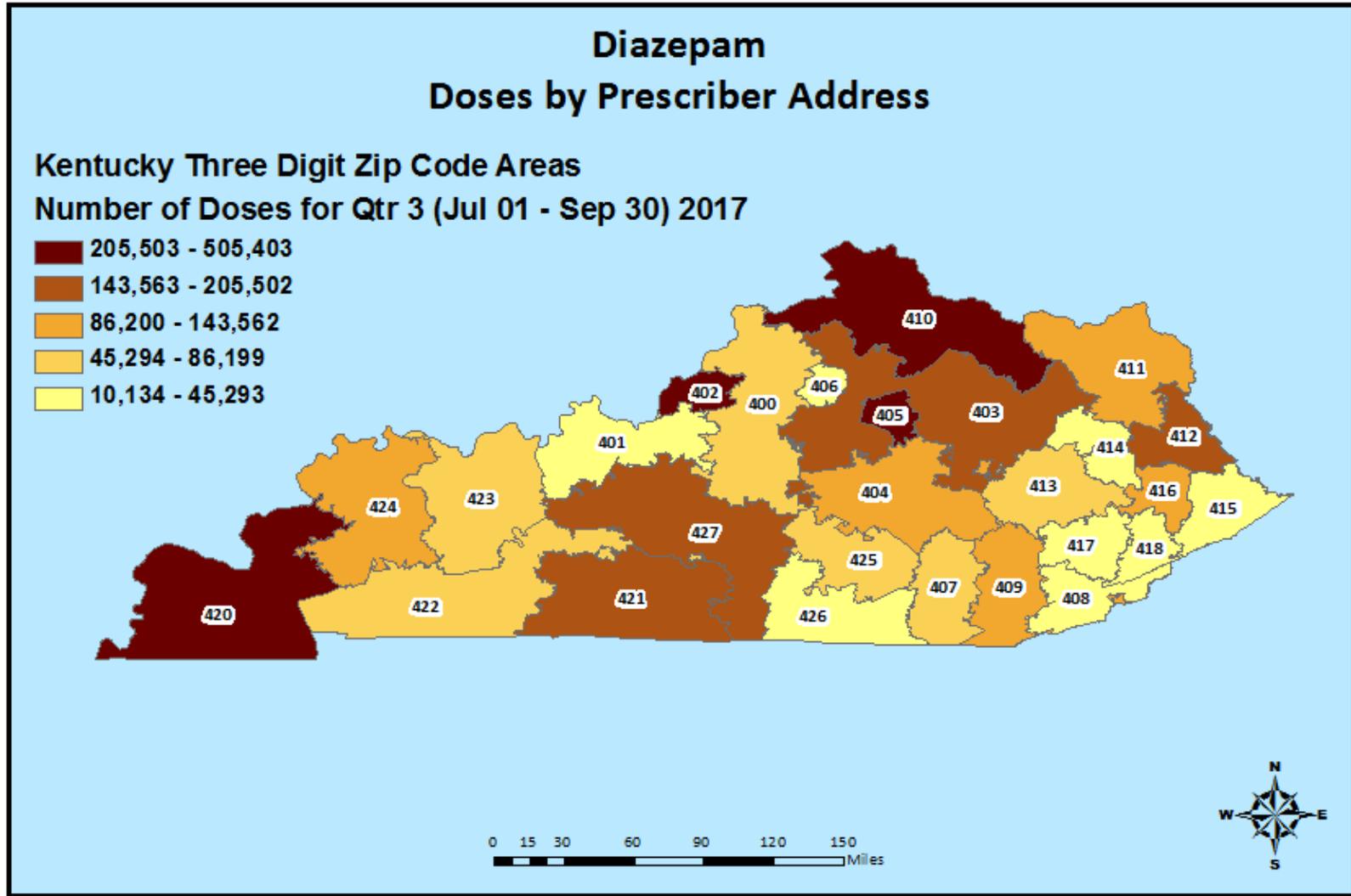
Q3 2017

Actual Number of Oxycodone Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	49,044	EDMONSON	51,455	KNOX	121,589	NICHOLAS	34,516
ALLEN	81,715	ELLIOTT	22,766	LARUE	70,915	OHIO	99,640
ANDERSON	66,489	ESTILL	114,782	LAUREL	203,329	OLDHAM	145,008
BALLARD	38,815	FAYETTE	698,557	LAWRENCE	67,119	OWEN	48,720
BARREN	144,145	FLEMING	64,614	LEE	35,778	OWSLEY	30,528
BATH	61,267	FLOYD	279,985	LESLIE	78,623	PENDLETON	99,562
BELL	75,638	FRANKLIN	141,928	LETCHER	129,826	PERRY	245,848
BOONE	631,101	FULTON	34,457	LEWIS	52,310	PIKE	165,539
BOURBON	78,168	GALLATIN	66,245	LINCOLN	109,855	POWELL	112,012
BOYD	103,601	GARRARD	72,688	LIVINGSTON	76,301	PULASKI	246,196
BOYLE	89,595	GRANT	190,801	LOGAN	123,375	ROBERTSON	8,485
BRACKEN	52,946	GRAVES	184,612	LYON	43,614	ROCKCASTLE	96,332
BREATHITT	73,532	GRAYSON	124,086	MADISON	335,983	ROWAN	69,347
BRECKINRIDGE	68,969	GREEN	31,754	MAGOFFIN	71,363	RUSSELL	19,235
BULLITT	317,974	GREENUP	167,716	MARION	88,954	SCOTT	162,944
BUTLER	53,985	HANCOCK	22,486	MARSHALL	207,253	SHELBY	156,480
CALDWELL	71,550	HARDIN	382,875	MARTIN	45,015	SIMPSON	68,323
CALLOWAY	124,930	HARLAN	146,446	MASON	48,651	SPENCER	70,637
CAMPBELL	530,607	HARRISON	68,775	MCCRACKEN	403,137	TAYLOR	93,751
CARLISLE	31,970	HART	72,853	MCCREARY	108,560	TODD	39,259
CARROLL	74,348	HENDERSON	305,202	MCLEAN	47,195	TRIGG	65,631
CARTER	85,859	HENRY	74,734	MEADE	77,139	TRIMBLE	32,420
CASEY	43,178	HICKMAN	15,532	MENIFEE	33,771	UNION	85,974
CHRISTIAN	181,754	HOPKINS	238,601	MERCER	77,961	WARREN	417,867
CLARK	198,845	JACKSON	75,660	METCALFE	43,297	WASHINGTON	36,120
CLAY	138,220	JEFFERSON	2,735,364	MONROE	49,511	WAYNE	83,722
CLINTON	100,293	JESSAMINE	184,682	MONTGOMERY	148,471	WEBSTER	100,172
CRITTENDEN	65,644	JOHNSON	124,444	MORGAN	50,241	WHITLEY	266,612
CUMBERLAND	41,489	KENTON	814,110	MUHLENBERG	218,766	WOLFE	42,593
DAVISS	230,631	KNOTT	129,405	NELSON	207,248	WOODFORD	70,197
						TOTAL	18,132,737

Per 1000 Oxycodone Usage Q3 2017

Actual Number of Oxycodone Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,544	EDMONSON	4,248	KNOX	3,837	NICHOLAS	4,872
ALLEN	3,961	ELLIOTT	3,000	LARUE	5,031	OHIO	4,087
ANDERSON	3,001	ESTILL	8,023	LAUREL	3,375	OLDHAM	2,212
BALLARD	4,819	FAYETTE	2,194	LAWRENCE	4,231	OWEN	4,578
BARREN	3,277	FLEMING	4,454	LEE	5,437	OWSLEY	6,798
BATH	4,970	FLOYD	7,545	LESLIE	7,461	PENDLETON	6,838
BELL	2,789	FRANKLIN	2,807	LETCHER	5,701	PERRY	8,991
BOONE	4,910	FULTON	5,576	LEWIS	3,892	PIKE	2,734
BOURBON	3,903	GALLATIN	7,695	LINCOLN	4,507	POWELL	9,101
BOYD	2,152	GARRARD	4,204	LIVINGSTON	8,232	PULASKI	3,849
BOYLE	2,985	GRANT	7,656	LOGAN	4,639	ROBERTSON	3,937
BRACKEN	6,303	GRAVES	4,965	LYON	5,405	ROCKCASTLE	5,717
BREATHITT	5,535	GRAYSON	4,739	MADISON	6,187	ROWAN	2,836
BRECKINRIDGE	3,455	GREEN	2,871	MAGOFFIN	6,200	RUSSELL	1,085
BULLITT	4,017	GREENUP	4,673	MARION	4,981	SCOTT	3,019
BUTLER	4,203	HANCOCK	2,552	MARSHALL	3,752	SHELBY	3,372
CALDWELL	5,693	HARDIN	3,568	MARTIN	5,626	SIMPSON	3,778
CALLOWAY	3,250	HARLAN	5,390	MASON	4,632	SPENCER	3,865
CAMPBELL	5,754	HARRISON	3,688	MCCRACKEN	6,608	TAYLOR	3,691
CARLISLE	6,585	HART	3,911	MCCREARY	3,751	TODD	3,193
CARROLL	6,962	HENDERSON	6,599	MCLEAN	2,830	TRIGG	4,601
CARTER	3,175	HENRY	4,725	MEADE	2,743	TRIMBLE	3,761
CASEY	2,730	HICKMAN	3,357	MENIFEE	5,270	UNION	5,778
CHRISTIAN	2,512	HOPKINS	5,198	MERCER	3,630	WARREN	3,329
CLARK	5,551	JACKSON	5,660	METCALFE	4,322	WASHINGTON	2,963
CLAY	6,656	JEFFERSON	3,574	MONROE	4,676	WAYNE	4,093
CLINTON	9,855	JESSAMINE	3,527	MONTGOMERY	5,346	WEBSTER	7,523
CRITTENDEN	7,145	JOHNSON	5,416	MORGAN	3,778	WHITLEY	7,386
CUMBERLAND	6,157	KENTON	4,936	MUHLENBERG	7,051	WOLFE	5,950
DAVISS	2,314	KNOTT	8,325	NELSON	4,549	WOODFORD	2,687

Diazepam Prescribing Q3 2017



Diazepam Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Diazepam Doses for Quarter 3, 2017
400	85,371
401	28,522
402	505,403
403	179,909
404	140,412
405	313,004
406	21,145
407	86,199
408	12,834
409	107,001
410	361,085
411	110,786
412	163,589
413	57,972
414	26,117
415	29,718
416	143,562
417	44,812
418	10,134
420	326,616
421	182,144
422	72,600
423	71,771
424	121,612
425	80,960
426	45,293
427	205,502
Totals	3,534,073

Diazepam Usage

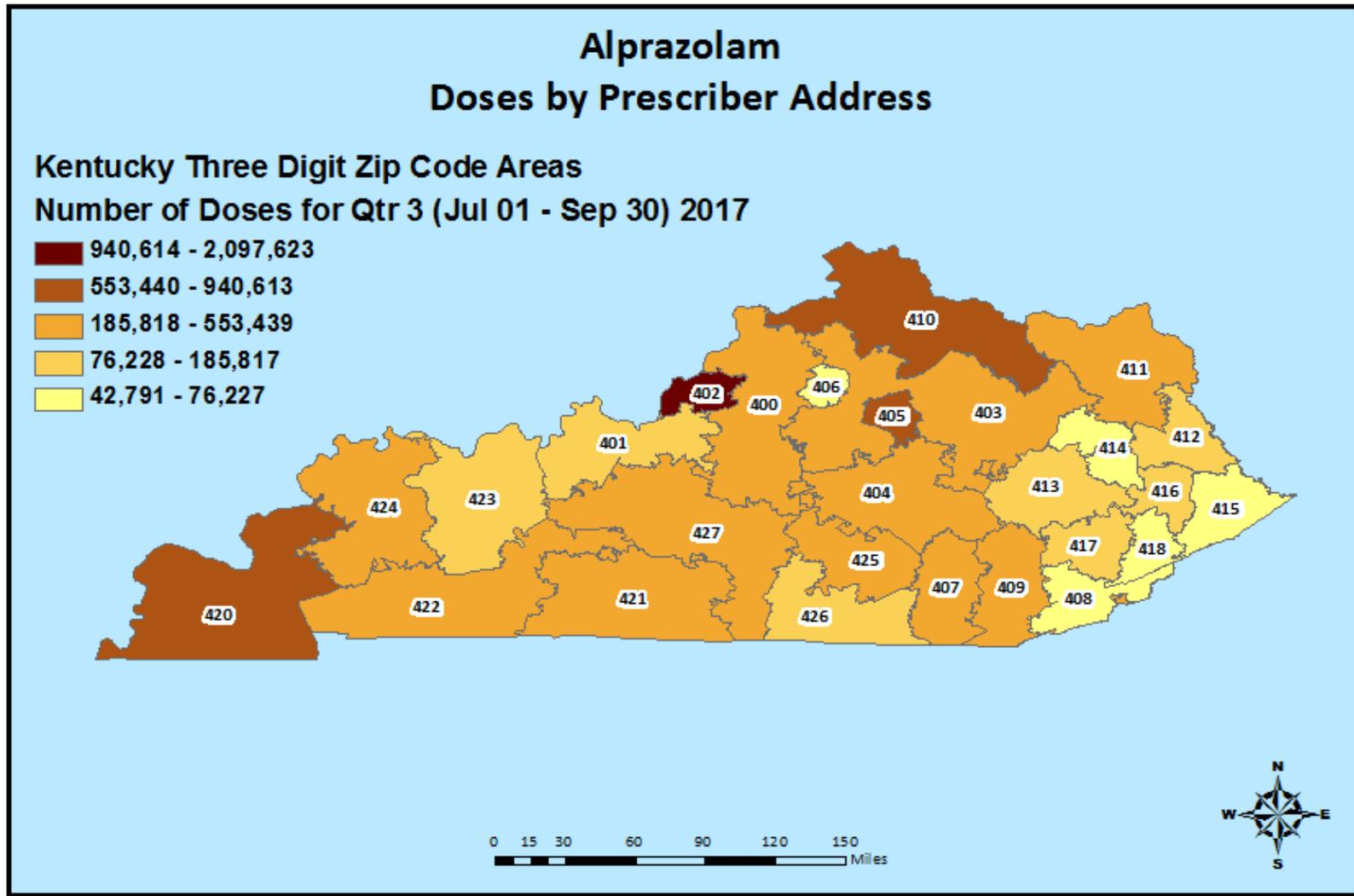
Q3 2017

Actual Number of Diazepam Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	28,090	EDMONSON	15,477	KNOX	40,054	NICHOLAS	5,033
ALLEN	14,607	ELLIOTT	7,101	LARUE	31,121	OHIO	29,497
ANDERSON	10,170	ESTILL	17,910	LAUREL	41,778	OLDHAM	17,584
BALLARD	9,741	FAYETTE	139,458	LAWRENCE	29,536	OWEN	8,677
BARREN	43,656	FLEMING	14,016	LEE	18,043	OWSLEY	17,243
BATH	10,498	FLOYD	134,175	LESLIE	5,389	PENDLETON	13,358
BELL	62,716	FRANKLIN	31,100	LETCHER	12,568	PERRY	31,681
BOONE	88,156	FULTON	10,370	LEWIS	11,714	PIKE	61,542
BOURBON	12,348	GALLATIN	8,453	LINCOLN	28,897	POWELL	10,015
BOYD	34,313	GARRARD	14,728	LIVINGSTON	18,165	PULASKI	54,334
BOYLE	31,574	GRANT	24,357	LOGAN	15,530	ROBERTSON	2,182
BRACKEN	14,647	GRAVES	45,578	LYON	7,948	ROCKCASTLE	18,918
BREATHITT	25,531	GRAYSON	62,542	MADISON	46,987	ROWAN	22,989
BRECKINRIDGE	15,431	GREEN	16,209	MAGOFFIN	38,965	RUSSELL	9,324
BULLITT	34,429	GREENUP	38,815	MARION	21,159	SCOTT	39,802
BUTLER	12,405	HANCOCK	5,148	MARSHALL	51,037	SHELBY	20,060
CALDWELL	18,281	HARDIN	49,594	MARTIN	32,753	SIMPSON	10,842
CALLOWAY	46,909	HARLAN	19,401	MASON	14,126	SPENCER	11,401
CAMPBELL	69,077	HARRISON	31,179	MCCRACKEN	98,597	TAYLOR	49,125
CARLISLE	8,781	HART	18,133	MCCREARY	12,159	TODD	9,341
CARROLL	9,935	HENDERSON	64,874	MCLEAN	10,092	TRIGG	12,609
CARTER	27,874	HENRY	6,258	MEADE	8,580	TRIMBLE	2,850
CASEY	17,986	HICKMAN	3,718	MENIFEE	7,072	UNION	15,577
CHRISTIAN	38,533	HOPKINS	42,667	MERCER	19,627	WARREN	86,031
CLARK	24,157	JACKSON	12,001	METCALFE	19,102	WASHINGTON	9,354
CLAY	31,988	JEFFERSON	387,633	MONROE	7,902	WAYNE	16,910
CLINTON	17,410	JESSAMINE	29,653	MONTGOMERY	24,525	WEBSTER	15,285
CRITTENDEN	15,184	JOHNSON	105,288	MORGAN	10,251	WHITLEY	52,045
CUMBERLAND	7,281	KENTON	105,467	MUHLENBERG	36,157	WOLFE	11,026
DAVISS	44,522	KNOTT	22,136	NELSON	29,909	WOODFORD	14,491
						TOTAL	3,738,538

Per 1000 Diazepam Usage Q3 2017

Actual Number of Diazepam Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	1,457	EDMONSON	1,278	KNOX	1,264	NICHOLAS	710
ALLEN	708	ELLIOTT	936	LARUE	2,208	OHIO	1,210
ANDERSON	459	ESTILL	1,252	LAUREL	693	OLDHAM	268
BALLARD	1,209	FAYETTE	438	LAWRENCE	1,862	OWEN	815
BARREN	992	FLEMING	966	LEE	2,742	OWSLEY	3,839
BATH	852	FLOYD	3,616	LESLIE	511	PENDLETON	917
BELL	2,313	FRANKLIN	615	LETCHER	552	PERRY	1,159
BOONE	686	FULTON	1,678	LEWIS	871	PIKE	1,016
BOURBON	616	GALLATIN	982	LINCOLN	1,186	POWELL	814
BOYD	713	GARRARD	852	LIVINGSTON	1,960	PULASKI	850
BOYLE	1,052	GRANT	977	LOGAN	584	ROBERTSON	1,013
BRACKEN	1,744	GRAVES	1,226	LYON	985	ROCKCASTLE	1,123
BREATHITT	1,922	GRAYSON	2,389	MADISON	1,513	ROWAN	940
BRECKINRIDGE	773	GREEN	1,466	MAGOFFIN	694	RUSSELL	526
BULLITT	435	GREENUP	1,081	MARION	1,065	SCOTT	737
BUTLER	966	HANCOCK	584	MARSHALL	525	SHELBY	432
CALDWELL	1,455	HARDIN	462	MARTIN	3,072	SIMPSON	600
CALLOWAY	1,220	HARLAN	714	MASON	1,102	SPENCER	624
CAMPBELL	749	HARRISON	1,672	MCCRACKEN	1,627	TAYLOR	1,934
CARLISLE	1,809	HART	973	MCCREARY	2,729	TODD	760
CARROLL	930	HENDERSON	1,403	MCLEAN	822	TRIGG	884
CARTER	1,031	HENRY	396	MEADE	305	TRIMBLE	331
CASEY	1,137	HICKMAN	804	MENIFEE	1,104	UNION	1,047
CHRISTIAN	533	HOPKINS	929	MERCER	914	WARREN	685
CLARK	674	JACKSON	898	METCALFE	1,907	WASHINGTON	767
CLAY	1,540	JEFFERSON	506	MONROE	746	WAYNE	827
CLINTON	1,711	JESSAMINE	566	MONTGOMERY	883	WEBSTER	1,148
CRITTENDEN	1,653	JOHNSON	4,582	MORGAN	771	WHITLEY	1,442
CUMBERLAND	1,081	KENTON	639	MUHLENBERG	1,165	WOLFE	1,540
DAVISS	447	KNOTT	1,424	NELSON	656	WOODFORD	555

Alprazolam Prescribing Q3 2017



Alprazolam Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Alprazolam Doses for Quarter 3, 2017
400	330,010
401	127,078
402	2,097,623
403	553,439
404	309,999
405	940,613
406	76,227
407	297,063
408	47,702
409	264,397
410	785,478
411	245,907
412	105,190
413	101,313
414	52,540
415	71,566
416	138,933
417	171,309
418	42,791
420	895,025
421	355,192
422	233,553
423	185,817
424	314,880
425	321,934
426	112,371
427	311,145
Totals	9,489,095

Alprazolam Usage

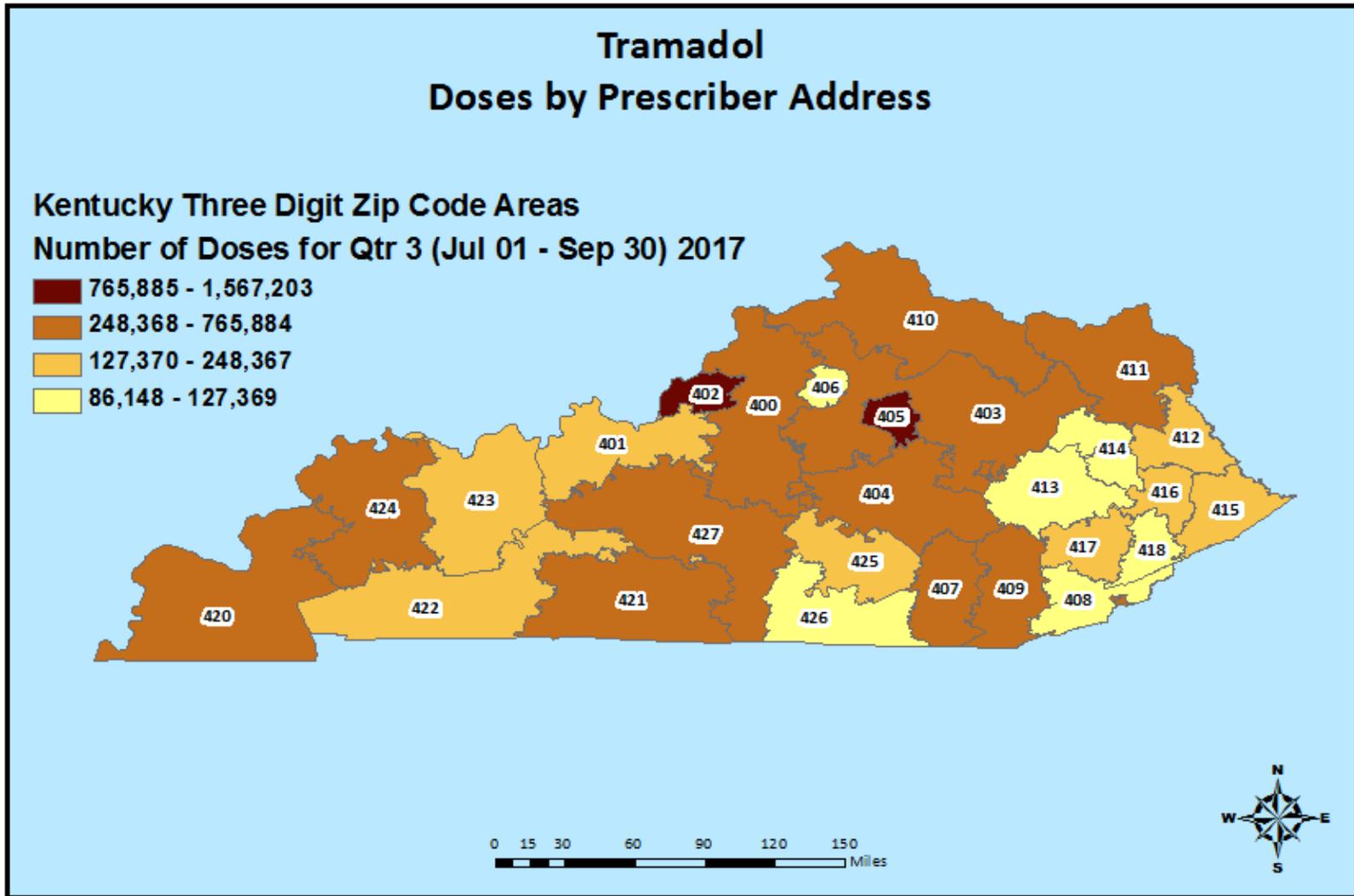
Q3 2017

Actual Number of Alprazolam Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	43,612	EDMONSON	20,330	KNOX	102,027	NICHOLAS	18,202
ALLEN	42,234	ELLIOTT	20,390	LARUE	28,902	OHIO	66,529
ANDERSON	44,838	ESTILL	47,159	LAUREL	140,896	OLDHAM	95,256
BALLARD	23,500	FAYETTE	496,666	LAWRENCE	27,734	OWEN	15,794
BARREN	79,480	FLEMING	59,216	LEE	31,057	OWSLEY	12,522
BATH	30,949	FLOYD	115,811	LESLIE	23,153	PENDLETON	21,606
BELL	169,333	FRANKLIN	103,222	LETCHER	34,850	PERRY	135,071
BOONE	177,278	FULTON	17,109	LEWIS	35,582	PIKE	110,275
BOURBON	42,284	GALLATIN	13,537	LINCOLN	77,446	POWELL	71,514
BOYD	72,272	GARRARD	40,590	LIVINGSTON	41,990	PULASKI	245,742
BOYLE	72,441	GRANT	28,367	LOGAN	52,060	ROBERTSON	6,999
BRACKEN	28,481	GRAVES	172,511	LYON	41,518	ROCKCASTLE	32,820
BREATHITT	53,456	GRAYSON	70,467	MADISON	127,240	ROWAN	46,099
BRECKINRIDGE	62,441	GREEN	15,028	MAGOFFIN	51,594	RUSSELL	14,121
BULLITT	178,429	GREENUP	111,453	MARION	57,890	SCOTT	83,809
BUTLER	20,172	HANCOCK	17,619	MARSHALL	124,676	SHELBY	81,891
CALDWELL	44,399	HARDIN	134,479	MARTIN	35,013	SIMPSON	27,640
CALLOWAY	144,904	HARLAN	77,727	MASON	54,428	SPENCER	32,848
CAMPBELL	151,103	HARRISON	49,389	MCCRACKEN	240,231	TAYLOR	67,870
CARLISLE	17,557	HART	29,604	MCCREARY	40,423	TODD	29,053
CARROLL	29,564	HENDERSON	149,557	MCLEAN	27,709	TRIGG	42,467
CARTER	60,230	HENRY	31,700	MEADE	38,216	TRIMBLE	15,672
CASEY	52,174	HICKMAN	8,784	MENIFEE	16,477	UNION	43,189
CHRISTIAN	137,477	HOPKINS	101,067	MERCER	39,191	WARREN	137,377
CLARK	75,559	JACKSON	21,865	METCALFE	25,058	WASHINGTON	21,032
CLAY	77,184	JEFFERSON	1,845,642	MONROE	22,685	WAYNE	68,457
CLINTON	45,220	JESSAMINE	87,507	MONTGOMERY	96,827	WEBSTER	41,473
CRITTENDEN	28,511	JOHNSON	63,757	MORGAN	45,829	WHITLEY	153,217
CUMBERLAND	23,374	KENTON	212,909	MUHLENBERG	112,388	WOLFE	26,125
DAVISS	175,865	KNOTT	58,126	NELSON	93,501	WOODFORD	44,167
						TOTAL	10,121,337

Per 1000 Alprazolam Usage Q3 2017

Actual Number of Alprazolam Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,262	EDMONSON	1,678	KNOX	3,220	NICHOLAS	2,569
ALLEN	2,047	ELLIOTT	2,687	LARUE	2,050	OHIO	2,729
ANDERSON	2,024	ESTILL	3,296	LAUREL	2,339	OLDHAM	1,453
BALLARD	2,918	FAYETTE	1,560	LAWRENCE	1,748	OWEN	1,484
BARREN	1,807	FLEMING	4,082	LEE	4,720	OWSLEY	2,788
BATH	2,511	FLOYD	3,121	LESLIE	2,197	PENDLETON	1,484
BELL	6,245	FRANKLIN	2,042	LETCHER	1,530	PERRY	4,940
BOONE	1,379	FULTON	2,769	LEWIS	2,647	PIKE	1,821
BOURBON	2,111	GALLATIN	1,572	LINCOLN	3,178	POWELL	5,810
BOYD	1,502	GARRARD	2,347	LIVINGSTON	4,530	PULASKI	3,842
BOYLE	2,413	GRANT	1,138	LOGAN	1,958	ROBERTSON	3,248
BRACKEN	3,391	GRAVES	4,640	LYON	5,145	ROCKCASTLE	1,948
BREATHITT	4,024	GRAYSON	2,691	MADISON	3,687	ROWAN	1,885
BRECKINRIDGE	3,128	GREEN	1,359	MAGOFFIN	2,308	RUSSELL	797
BULLITT	2,254	GREENUP	3,105	MARION	2,924	SCOTT	1,553
BUTLER	1,570	HANCOCK	2,000	MARSHALL	1,421	SHELBY	1,765
CALDWELL	3,533	HARDIN	1,253	MARTIN	4,068	SIMPSON	1,529
CALLOWAY	3,770	HARLAN	2,861	MASON	3,014	SPENCER	1,798
CAMPBELL	1,639	HARRISON	2,649	MCCRACKEN	3,975	TAYLOR	2,672
CARLISLE	3,616	HART	1,589	MCCREARY	2,917	TODD	2,363
CARROLL	2,768	HENDERSON	3,233	MCLEAN	3,166	TRIGG	2,977
CARTER	2,227	HENRY	2,004	MEADE	1,359	TRIMBLE	1,818
CASEY	3,299	HICKMAN	1,898	MENIFEE	2,571	UNION	2,902
CHRISTIAN	1,900	HOPKINS	2,202	MERCER	1,825	WARREN	1,094
CLARK	2,109	JACKSON	1,636	METCALFE	2,501	WASHINGTON	1,725
CLAY	3,717	JEFFERSON	2,411	MONROE	2,143	WAYNE	3,347
CLINTON	4,443	JESSAMINE	1,671	MONTGOMERY	3,487	WEBSTER	3,115
CRITTENDEN	3,103	JOHNSON	2,775	MORGAN	3,446	WHITLEY	4,245
CUMBERLAND	3,469	KENTON	1,291	MUHLENBERG	3,622	WOLFE	3,649
DAVISS	1,764	KNOTT	3,739	NELSON	2,052	WOODFORD	1,691

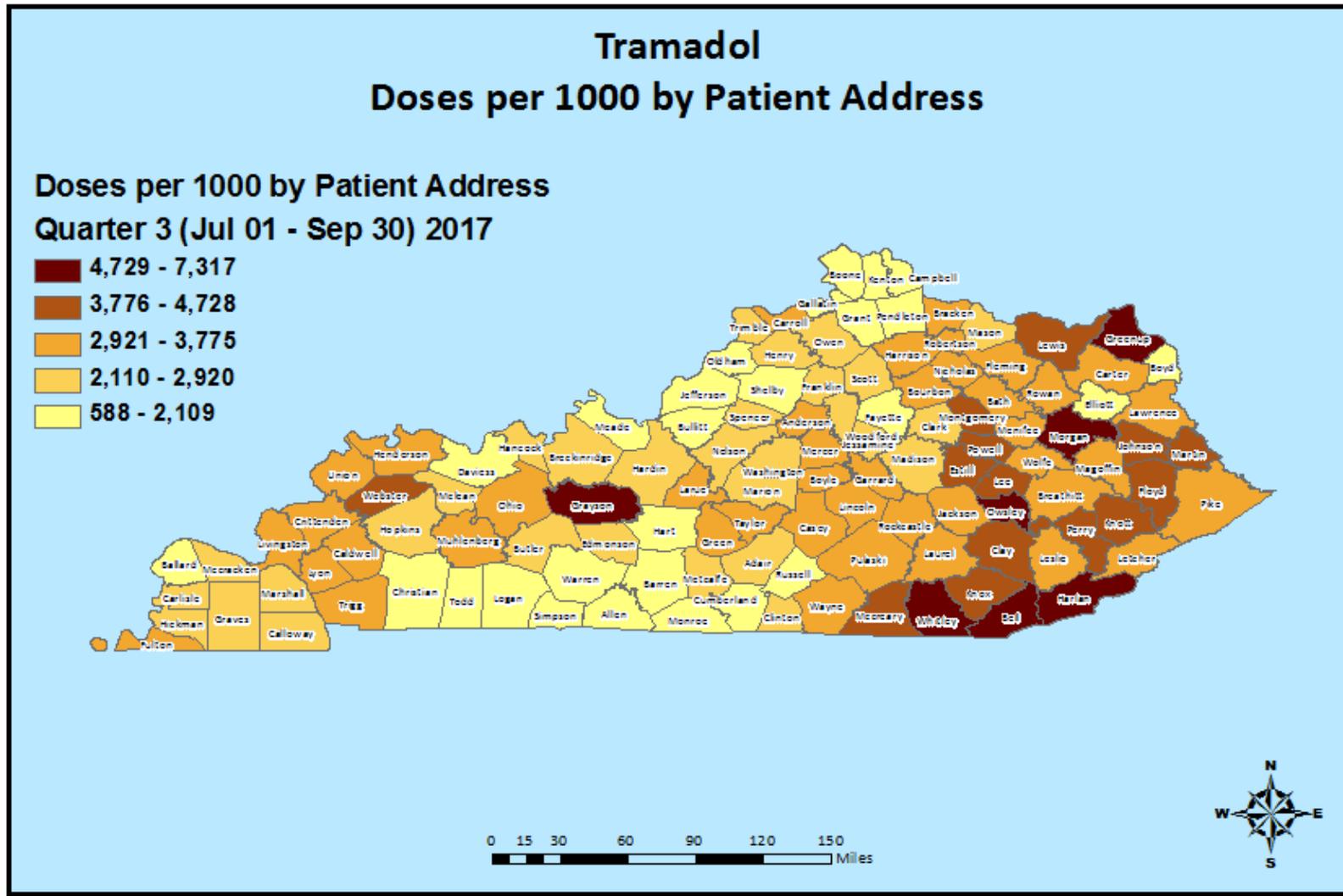
Tramadol Prescribing Q3 2017



Tramadol Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Tramadol Doses for Quarter 3, 2017
400	355,822
401	176,549
402	1,567,203
403	711,087
404	496,165
405	1,378,388
406	97,773
407	356,582
408	124,568
409	380,213
410	765,884
411	391,448
412	188,902
413	93,483
414	86,148
415	190,923
416	162,768
417	182,259
418	94,035
420	599,937
421	408,244
422	152,638
423	186,949
424	346,229
425	248,367
426	127,369
427	503,653
Totals	10,373,586

Tramadol Usage Q3 2017



Tramadol Usage

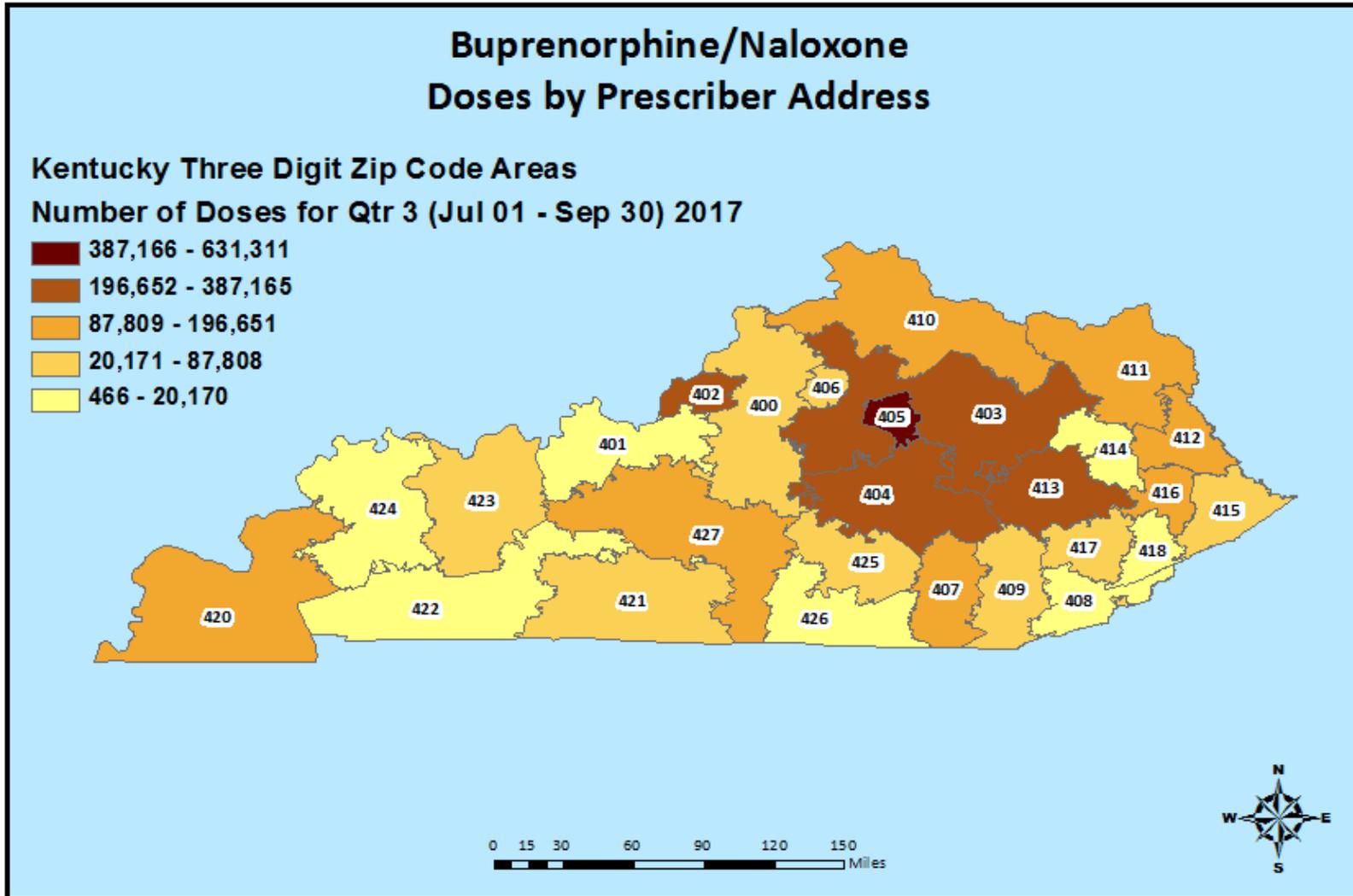
Q3 2017

Actual Number of Tramadol Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	42,443	EDMONSON	32,322	KNOX	137,711	NICHOLAS	26,454
ALLEN	37,657	ELLIOTT	16,004	LARUE	42,034	OHIO	83,921
ANDERSON	66,194	ESTILL	66,627	LAUREL	198,499	OLDHAM	84,783
BALLARD	16,499	FAYETTE	613,417	LAWRENCE	56,088	OWEN	28,183
BARREN	70,113	FLEMING	52,159	LEE	28,971	OWSLEY	23,078
BATH	46,536	FLOYD	172,453	LESLIE	36,862	PENDLETON	27,162
BELL	198,409	FRANKLIN	130,483	LETCHER	76,339	PERRY	108,314
BOONE	199,785	FULTON	20,123	LEWIS	61,655	PIKE	216,850
BOURBON	62,194	GALLATIN	17,310	LINCOLN	90,282	POWELL	48,027
BOYD	94,871	GARRARD	51,396	LIVINGSTON	32,673	PULASKI	233,257
BOYLE	96,295	GRANT	37,807	LOGAN	52,098	ROBERTSON	6,918
BRACKEN	24,808	GRAVES	101,578	LYON	27,090	ROCKCASTLE	57,962
BREATHITT	39,575	GRAYSON	138,979	MADISON	261,454	ROWAN	89,782
BRECKINRIDGE	57,286	GREEN	40,071	MAGOFFIN	53,570	RUSSELL	10,417
BULLITT	148,868	GREENUP	193,698	MARION	48,530	SCOTT	127,677
BUTLER	27,916	HANCOCK	21,076	MARSHALL	82,575	SHELBY	96,650
CALDWELL	42,590	HARDIN	264,551	MARTIN	48,247	SIMPSON	29,824
CALLOWAY	84,165	HARLAN	163,528	MASON	39,470	SPENCER	45,915
CAMPBELL	126,753	HARRISON	61,819	MCCRACKEN	159,326	TAYLOR	88,784
CARLISLE	13,512	HART	36,681	MCCREARY	54,527	TODD	22,801
CARROLL	32,845	HENDERSON	144,966	MCLEAN	23,380	TRIGG	42,885
CARTER	87,888	HENRY	43,180	MEADE	57,215	TRIMBLE	23,076
CASEY	54,647	HICKMAN	11,117	MENIFEE	22,827	UNION	51,763
CHRISTIAN	82,132	HOPKINS	131,039	MERCER	75,026	WARREN	189,985
CLARK	102,965	JACKSON	40,077	METCALFE	26,889	WASHINGTON	27,131
CLAY	90,133	JEFFERSON	1,209,416	MONROE	19,799	WAYNE	72,259
CLINTON	26,444	JESSAMINE	137,884	MONTGOMERY	115,661	WEBSTER	53,820
CRITTENDEN	28,527	JOHNSON	100,013	MORGAN	80,790	WHITLEY	189,609
CUMBERLAND	13,086	KENTON	218,920	MUHLENBERG	93,437	WOLFE	22,851
DAVISS	143,235	KNOTT	73,499	NELSON	103,403	WOODFORD	71,132
						TOTAL	10,908,262

Per 1000 Tramadol Usage Q3 2017

Actual Number of Tramadol Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,201	EDMONSON	2,668	KNOX	4,346	NICHOLAS	3,734
ALLEN	1,825	ELLIOTT	2,109	LARUE	2,982	OHIO	3,442
ANDERSON	2,987	ESTILL	4,657	LAUREL	3,295	OLDHAM	1,293
BALLARD	2,049	FAYETTE	1,926	LAWRENCE	3,536	OWEN	2,648
BARREN	1,594	FLEMING	3,595	LEE	4,403	OWSLEY	5,139
BATH	3,775	FLOYD	4,647	LESLIE	3,498	PENDLETON	1,866
BELL	7,317	FRANKLIN	2,581	LETCHER	3,352	PERRY	3,961
BOONE	1,554	FULTON	3,257	LEWIS	4,587	PIKE	3,581
BOURBON	3,105	GALLATIN	2,011	LINCOLN	3,704	POWELL	3,902
BOYD	1,971	GARRARD	2,972	LIVINGSTON	3,525	PULASKI	3,647
BOYLE	3,208	GRANT	1,517	LOGAN	1,959	ROBERTSON	3,210
BRACKEN	2,953	GRAVES	2,732	LYON	3,357	ROCKCASTLE	3,440
BREATHITT	2,979	GRAYSON	5,308	MADISON	2,445	ROWAN	3,672
BRECKINRIDGE	2,870	GREEN	3,623	MAGOFFIN	3,114	RUSSELL	588
BULLITT	1,881	GREENUP	5,397	MARION	2,468	SCOTT	2,366
BUTLER	2,173	HANCOCK	2,392	MARSHALL	2,920	SHELBY	2,083
CALDWELL	3,389	HARDIN	2,465	MARTIN	4,223	SIMPSON	1,649
CALLOWAY	2,190	HARLAN	6,019	MASON	2,527	SPENCER	2,513
CAMPBELL	1,375	HARRISON	3,315	MCCRACKEN	2,633	TAYLOR	3,496
CARLISLE	2,783	HART	1,969	MCCREARY	4,020	TODD	1,854
CARROLL	3,076	HENDERSON	3,134	MCLEAN	2,296	TRIGG	3,007
CARTER	3,250	HENRY	2,730	MEADE	2,034	TRIMBLE	2,677
CASEY	3,455	HICKMAN	2,403	MENIFEE	3,562	UNION	3,479
CHRISTIAN	1,135	HOPKINS	2,855	MERCER	3,493	WARREN	1,513
CLARK	2,875	JACKSON	2,998	METCALFE	2,684	WASHINGTON	2,226
CLAY	4,340	JEFFERSON	1,580	MONROE	1,870	WAYNE	3,533
CLINTON	2,598	JESSAMINE	2,634	MONTGOMERY	4,165	WEBSTER	4,042
CRITTENDEN	3,105	JOHNSON	4,353	MORGAN	6,075	WHITLEY	5,253
CUMBERLAND	1,942	KENTON	1,327	MUHLENBERG	3,011	WOLFE	3,192
DAVISS	1,437	KNOTT	4,728	NELSON	2,270	WOODFORD	2,723

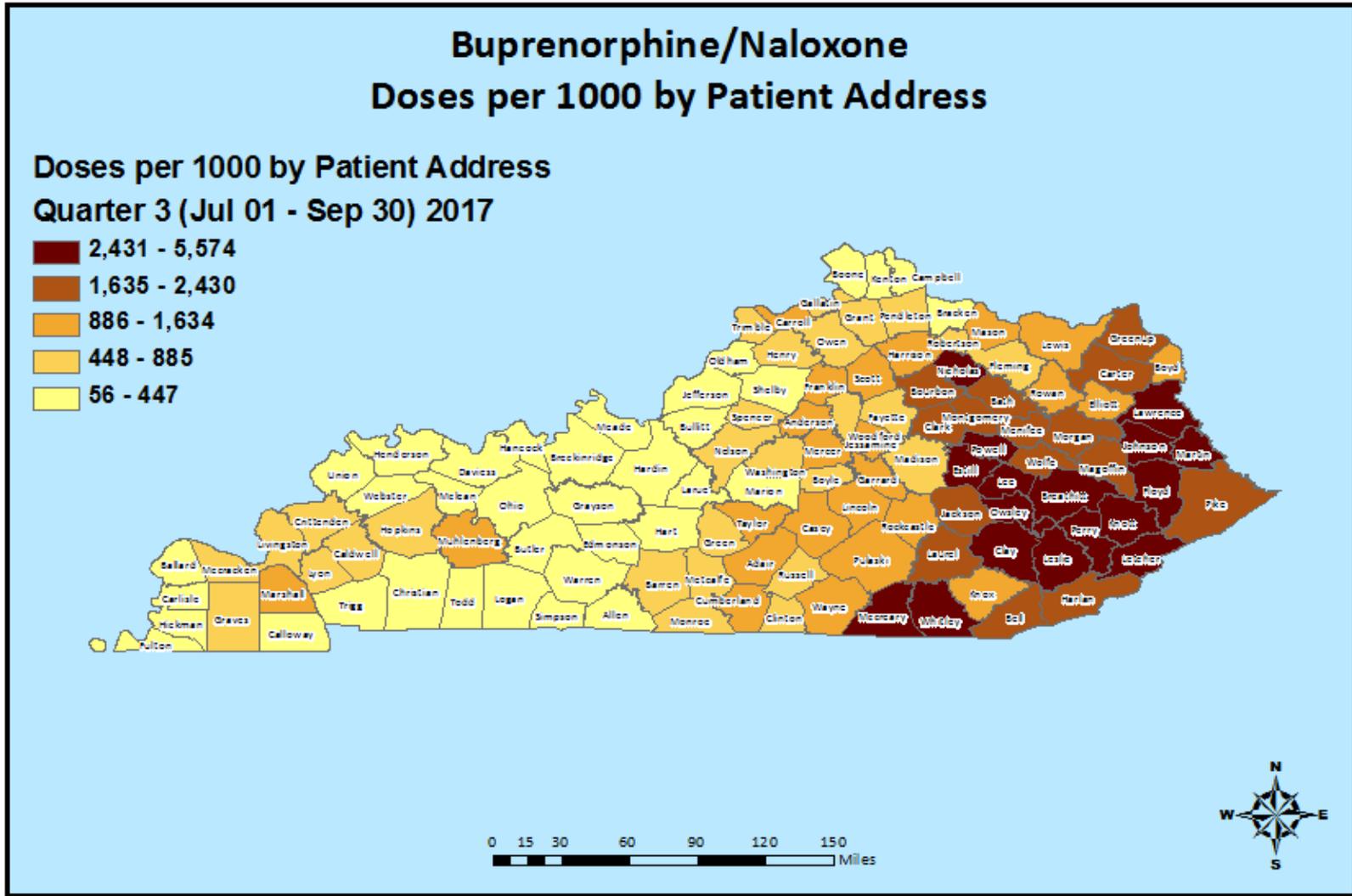
Buprenorphine/Naloxone Prescribing Q3 2017



Buprenorphine/Naloxone Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Buprenorphine/Naloxone Doses for Quarter 3, 2017
400	33,995
401	5,167
402	387,165
403	336,420
404	227,893
405	631,311
406	44,614
407	126,329
408	6,982
409	63,592
410	94,960
411	196,651
412	118,420
413	303,570
414	20,170
415	42,029
416	178,092
417	41,180
418	6,624
420	102,612
421	78,974
422	9,780
423	87,808
424	3,922
425	40,796
426	466
427	119,069
Totals	3,308,591

Buprenorphine/Naloxone Usage Q3 2017



Buprenorphine/Naloxone Usage

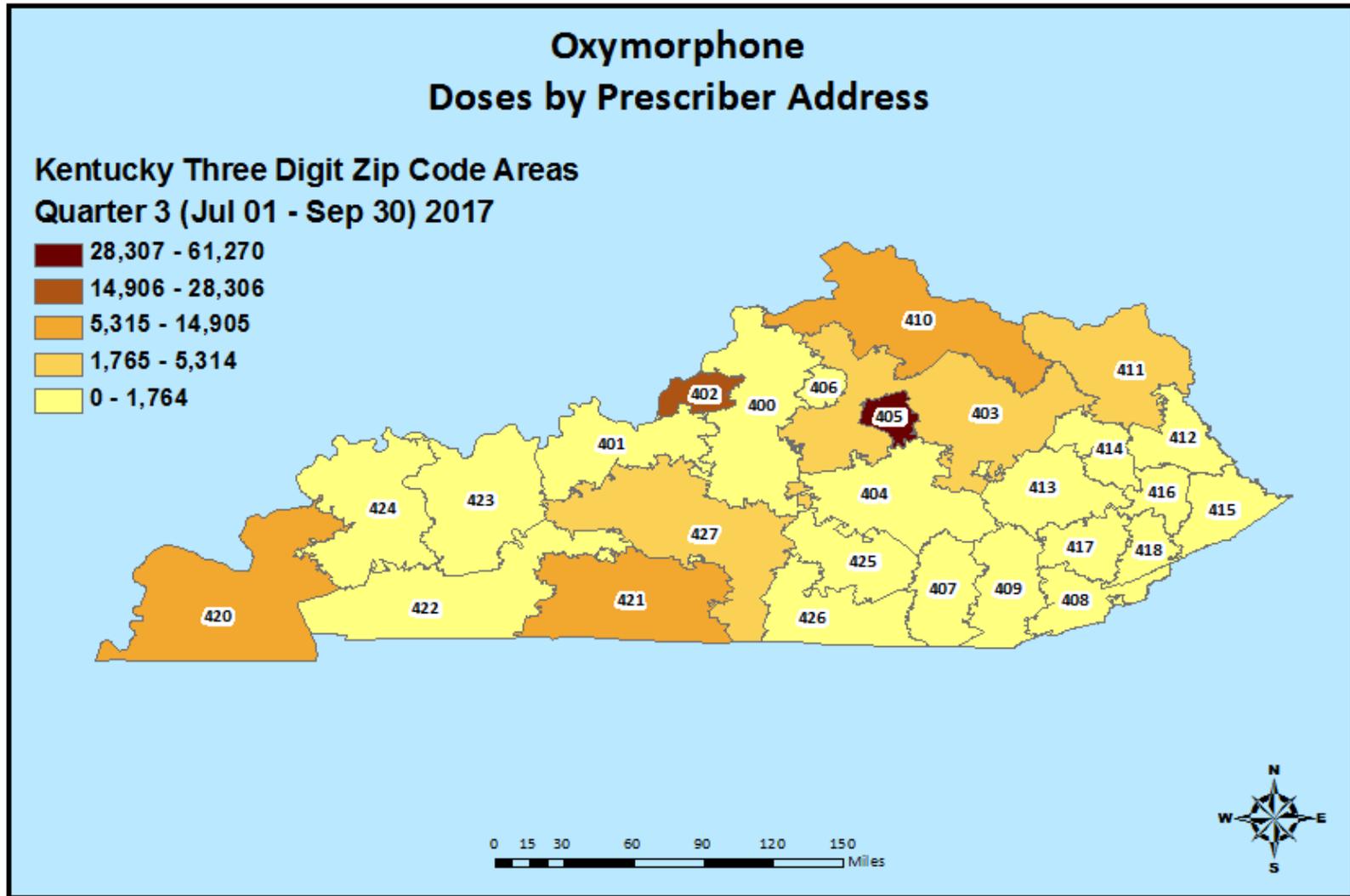
Q3 2017

Actual Number of Buprenorphine/Naloxone Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	25,635	EDMONSON	3,078	KNOX	47,394	NICHOLAS	22,258
ALLEN	7,334	ELLIOTT	12,397	LARUE	3,640	OHIO	9,543
ANDERSON	21,330	ESTILL	45,946	LAUREL	105,613	OLDHAM	13,355
BALLARD	2,809	FAYETTE	186,033	LAWRENCE	46,884	OWEN	5,691
BARREN	31,508	FLEMING	11,831	LEE	27,401	OWSLEY	25,018
BATH	29,706	FLOYD	161,192	LESLIE	34,851	PENDLETON	7,741
BELL	62,002	FRANKLIN	53,235	LETCHER	68,284	PERRY	118,797
BOONE	35,741	FULTON	2,642	LEWIS	17,680	PIKE	144,945
BOURBON	44,960	GALLATIN	5,712	LINCOLN	28,702	POWELL	42,768
BOYD	56,625	GARRARD	18,419	LIVINGSTON	5,529	PULASKI	79,149
BOYLE	25,311	GRANT	12,161	LOGAN	6,122	ROBERTSON	1,907
BRACKEN	3,755	GRAVES	19,097	LYON	5,704	ROCKCASTLE	26,344
BREATHITT	53,530	GRAYSON	6,356	MADISON	127,450	ROWAN	32,923
BRECKINRIDGE	3,294	GREEN	8,416	MAGOFFIN	70,697	RUSSELL	9,560
BULLITT	29,756	GREENUP	64,978	MARION	22,851	SCOTT	57,067
BUTLER	3,065	HANCOCK	1,018	MARSHALL	22,928	SHELBY	16,581
CALDWELL	9,899	HARDIN	17,616	MARTIN	44,418	SIMPSON	4,579
CALLOWAY	9,849	HARLAN	61,730	MASON	6,026	SPENCER	9,532
CAMPBELL	31,419	HARRISON	22,898	MCCRACKEN	36,987	TAYLOR	26,005
CARLISLE	1,742	HART	6,797	MCCREARY	33,078	TODD	1,661
CARROLL	10,561	HENDERSON	6,648	MCLEAN	3,038	TRIGG	4,552
CARTER	54,367	HENRY	8,807	MEADE	5,721	TRIMBLE	4,549
CASEY	17,893	HICKMAN	658	MENIFEE	15,570	UNION	826
CHRISTIAN	16,396	HOPKINS	29,106	MERCER	26,046	WARREN	35,006
CLARK	69,815	JACKSON	24,666	METCALFE	6,471	WASHINGTON	9,212
CLAY	61,340	JEFFERSON	243,384	MONROE	7,488	WAYNE	23,875
CLINTON	7,699	JESSAMINE	71,026	MONTGOMERY	66,689	WEBSTER	4,339
CRITTENDEN	7,015	JOHNSON	67,014	MORGAN	23,144	WHITLEY	109,332
CUMBERLAND	8,939	KENTON	51,798	MUHLENBERG	36,592	WOLFE	12,011
DAVISS	11,715	KNOTT	50,052	NELSON	23,039	WOODFORD	18,960
TOTAL						3,883,844	

Per 1000 Buprenorphine/Naloxone Usage Q3 2017

Actual Number of Buprenorphine/Naloxone Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	1,330	EDMONSON	254	KNOX	1,496	NICHOLAS	3,142
ALLEN	355	ELLIOTT	1,634	LARUE	258	OHIO	391
ANDERSON	963	ESTILL	3,211	LAUREL	1,753	OLDHAM	204
BALLARD	349	FAYETTE	584	LAWRENCE	2,956	OWEN	535
BARREN	716	FLEMING	816	LEE	4,164	OWSLEY	5,571
BATH	2,410	FLOYD	4,344	LESLIE	3,307	PENDLETON	532
BELL	2,286	FRANKLIN	1,053	LETCHER	2,998	PERRY	4,345
BOONE	278	FULTON	428	LEWIS	1,315	PIKE	2,394
BOURBON	2,245	GALLATIN	663	LINCOLN	1,178	POWELL	3,475
BOYD	1,176	GARRARD	1,065	LIVINGSTON	597	PULASKI	1,238
BOYLE	843	GRANT	488	LOGAN	230	ROBERTSON	885
BRACKEN	447	GRAVES	514	LYON	707	ROCKCASTLE	1,563
BREATHITT	4,030	GRAYSON	243	MADISON	568	ROWAN	1,346
BRECKINRIDGE	165	GREEN	761	MAGOFFIN	1,889	RUSSELL	539
BULLITT	376	GREENUP	1,810	MARION	321	SCOTT	1,057
BUTLER	239	HANCOCK	116	MARSHALL	1,423	SHELBY	357
CALDWELL	788	HARDIN	164	MARTIN	5,574	SIMPSON	253
CALLOWAY	256	HARLAN	2,272	MASON	1,190	SPENCER	522
CAMPBELL	341	HARRISON	1,228	MCCRACKEN	731	TAYLOR	1,024
CARLISLE	359	HART	365	MCCREARY	3,701	TODD	135
CARROLL	989	HENDERSON	144	MCLEAN	351	TRIGG	319
CARTER	2,010	HENRY	557	MEADE	203	TRIMBLE	528
CASEY	1,131	HICKMAN	142	MENIFEE	2,430	UNION	56
CHRISTIAN	227	HOPKINS	634	MERCER	1,213	WARREN	279
CLARK	1,949	JACKSON	1,845	METCALFE	646	WASHINGTON	756
CLAY	2,954	JEFFERSON	318	MONROE	707	WAYNE	1,167
CLINTON	757	JESSAMINE	1,357	MONTGOMERY	2,401	WEBSTER	326
CRITTENDEN	763	JOHNSON	2,916	MORGAN	1,740	WHITLEY	3,029
CUMBERLAND	1,327	KENTON	314	MUHLENBERG	1,179	WOLFE	1,678
DAVISS	118	KNOTT	3,220	NELSON	506	WOODFORD	726

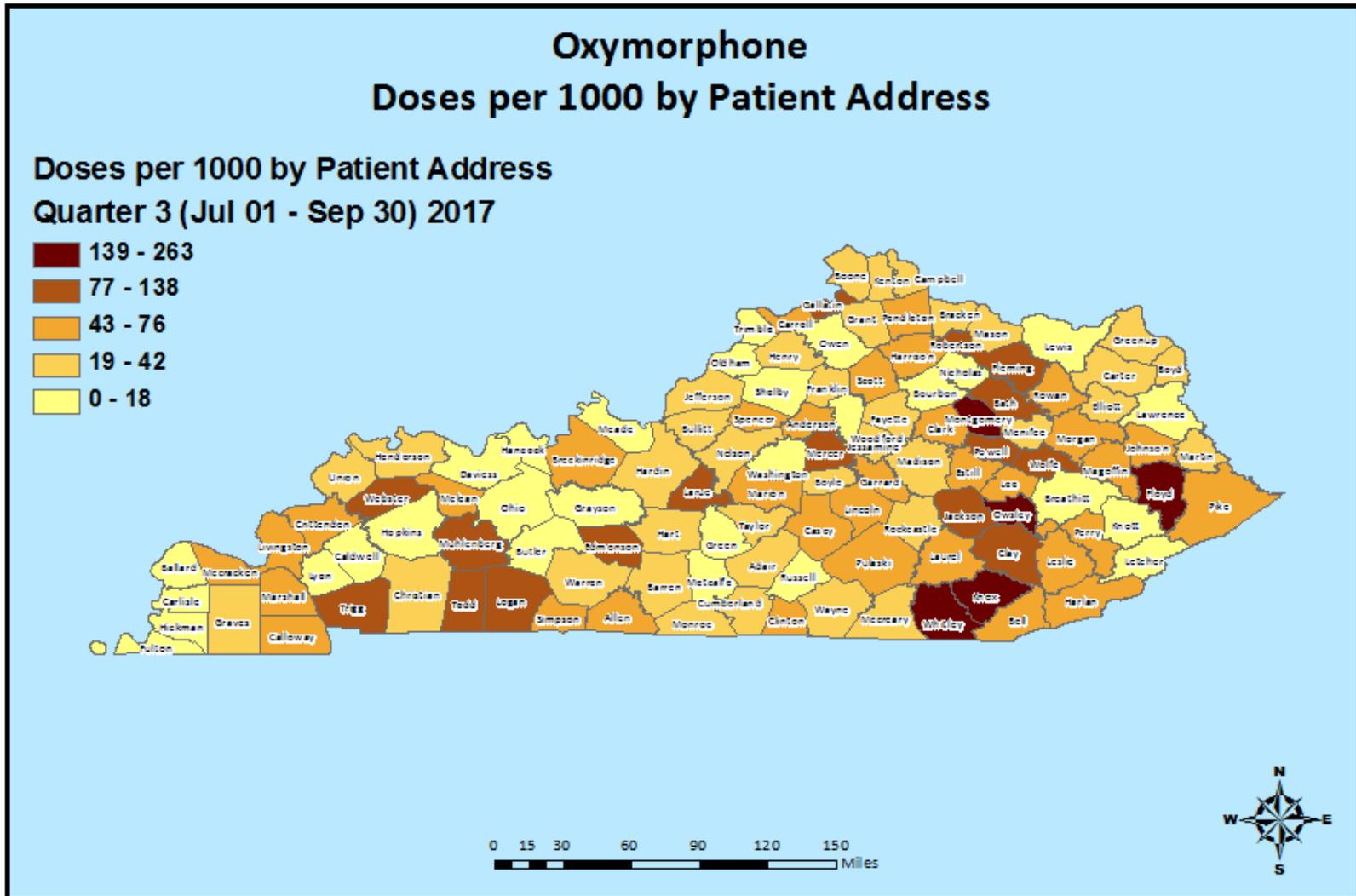
Oxymorphone Prescribing Q3 2017



Oxymorphone Prescribing Q3 2017

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Oxymorphone Doses for Quarter 3, 2017
400	540
401	120
402	28,306
403	2,742
404	914
405	61,270
406	390
407	180
408	648
409	732
410	14,905
411	2,610
412	180
413	585
414	0
415	0
416	780
417	1,764
418	0
420	8,837
421	10,224
422	536
423	356
424	918
425	365
426	0
427	5,314
Totals	143,216

Oxymorphone Usage Q3 2017



Oxymorphone Usage

Q3 2017

Actual Number of Oxymorphone Doses for Quarter 3, 2017							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	800	EDMONSON	1,392	KNOX	4,876	NICHOLAS	90
ALLEN	1,150	ELLIOTT	300	LARUE	1,680	OHIO	0
ANDERSON	1,410	ESTILL	1,050	LAUREL	3,880	OLDHAM	450
BALLARD	0	FAYETTE	8,773	LAWRENCE	120	OWEN	0
BARREN	1,108	FLEMING	1,260	LEE	381	OWSLEY	982
BATH	1,440	FLOYD	7,158	LESLIE	660	PENDLETON	790
BELL	1,272	FRANKLIN	1,320	LETCHER	170	PERRY	1,536
BOONE	4,734	FULTON	0	LEWIS	90	PIKE	3,246
BOURBON	0	GALLATIN	697	LINCOLN	1,170	POWELL	1,017
BOYD	1,600	GARRARD	1,107	LIVINGSTON	556	PULASKI	3,094
BOYLE	1,110	GRANT	950	LOGAN	3,227	ROBERTSON	180
BRACKEN	290	GRAVES	927	LYON	120	ROCKCASTLE	540
BREATHITT	180	GRAYSON	400	MADISON	4,834	ROWAN	1,290
BRECKINRIDGE	990	GREEN	180	MAGOFFIN	510	RUSSELL	0
BULLITT	1,770	GREENUP	1,387	MARION	660	SCOTT	2,400
BUTLER	30	HANCOCK	120	MARSHALL	2,100	SHELBY	412
CALDWELL	180	HARDIN	4,250	MARTIN	240	SIMPSON	1,226
CALLOWAY	2,858	HARLAN	1,740	MASON	900	SPENCER	900
CAMPBELL	3,025	HARRISON	862	MCCRACKEN	2,250	TAYLOR	1,074
CARLISLE	0	HART	510	MCCREARY	1,172	TODD	1,152
CARROLL	522	HENDERSON	1,398	MCLEAN	446	TRIGG	1,190
CARTER	1,020	HENRY	360	MEADE	494	TRIMBLE	60
CASEY	720	HICKMAN	0	MENIFEE	270	UNION	480
CHRISTIAN	1,959	HOPKINS	660	MERCER	1,770	WARREN	4,159
CLARK	2,730	JACKSON	1,364	METCALFE	120	WASHINGTON	0
CLAY	2,861	JEFFERSON	19,753	MONROE	300	WAYNE	480
CLINTON	480	JESSAMINE	1,350	MONTGOMERY	4,994	WEBSTER	1,140
CRITTENDEN	450	JOHNSON	1,020	MORGAN	690	WHITLEY	9,476
CUMBERLAND	198	KENTON	5,360	MUHLENBERG	2,554	WOLFE	706
DAVISS	1,072	KNOTT	270	NELSON	1,080	WOODFORD	60
						TOTAL	182,321

Per 1000 Oxymorphone Usage Q3 2017

Actual Number of Oxymorphone Doses per 1,000 Residents for Quarter 3, 2017							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	41	EDMONSON	115	KNOX	154	NICHOLAS	13
ALLEN	56	ELLIOTT	40	LARUE	119	OHIO	0
ANDERSON	64	ESTILL	73	LAUREL	64	OLDHAM	7
BALLARD	0	FAYETTE	28	LAWRENCE	8	OWEN	0
BARREN	25	FLEMING	87	LEE	58	OWSLEY	219
BATH	117	FLOYD	193	LESLIE	63	PENDLETON	54
BELL	47	FRANKLIN	26	LETCHER	7	PERRY	56
BOONE	37	FULTON	0	LEWIS	7	PIKE	54
BOURBON	0	GALLATIN	81	LINCOLN	48	POWELL	83
BOYD	33	GARRARD	64	LIVINGSTON	60	PULASKI	48
BOYLE	37	GRANT	38	LOGAN	121	ROBERTSON	84
BRACKEN	35	GRAVES	25	LYON	15	ROCKCASTLE	32
BREATHITT	14	GRAYSON	15	MADISON	35	ROWAN	53
BRECKINRIDGE	50	GREEN	16	MAGOFFIN	67	RUSSELL	0
BULLITT	22	GREENUP	39	MARION	47	SCOTT	44
BUTLER	2	HANCOCK	14	MARSHALL	54	SHELBY	9
CALDWELL	14	HARDIN	40	MARTIN	40	SIMPSON	68
CALLOWAY	74	HARLAN	64	MASON	34	SPENCER	49
CAMPBELL	33	HARRISON	46	MCCRACKEN	67	TAYLOR	42
CARLISLE	0	HART	27	MCCREARY	20	TODD	94
CARROLL	49	HENDERSON	30	MCLEAN	52	TRIGG	83
CARTER	38	HENRY	23	MEADE	18	TRIMBLE	7
CASEY	46	HICKMAN	0	MENIFEE	42	UNION	32
CHRISTIAN	27	HOPKINS	14	MERCER	82	WARREN	33
CLARK	76	JACKSON	102	METCALFE	12	WASHINGTON	0
CLAY	138	JEFFERSON	26	MONROE	28	WAYNE	23
CLINTON	47	JESSAMINE	26	MONTGOMERY	180	WEBSTER	86
CRITTENDEN	49	JOHNSON	44	MORGAN	52	WHITLEY	263
CUMBERLAND	29	KENTON	32	MUHLENBERG	82	WOLFE	99
DAVISS	11	KNOTT	17	NELSON	24	WOODFORD	2